



# CITY OF IQALUIT SOLID WASTE LANDFILL RELEASED FOR TENDER



KEY PLAN

DILLON PROJECT: 19-9543  
DATE: APRIL 14, 2022







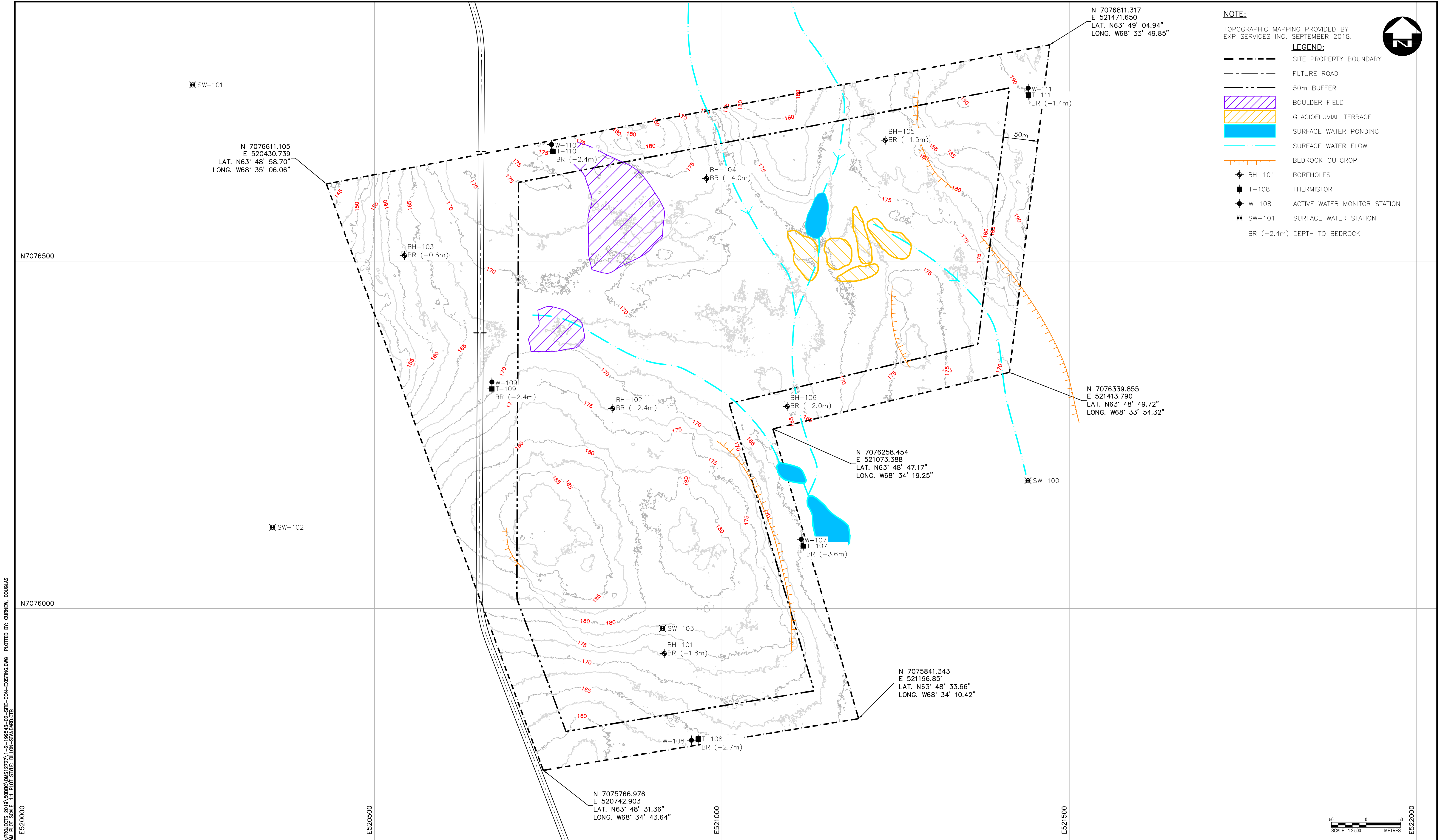
# CITY OF IQALUIT

## SOLID WASTE LANDFILL

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DILLON PROJECT: 19-9543  
DATE: APRIL 14, 2022





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REGISTERED PROFESSIONAL ENGINEER  
CHRYSTAL  
LICENSEE  
4189  
NTNU

REGISTERED PROFESSIONAL ENGINEER  
K.B. BARNES  
LICENSEE  
2022-04-14  
NWT/NU

THE ASSOCIATION OF  
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GEOLOGISTS and GEOPHYSICISTS  
OF THE NORTHWEST TERRITORIES  
PERMIT NUMBER  
P 010  
DILLON CONSULTING  
LIMITED  
2022-04-14

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7	RELEASED FOR TENDER	2022/04/14	K.B.	DESIGN	C.R.S.	REVIEWED BY	S.D.K.
6	REVIEW	2021/09/24	K.B.	DRAWN	D.B.C./D.T.M.	CHECKED BY	K.B.
5	REVIEW	2021/06/25	K.B.	DATE	MAY 2019		
4	100% ISSUED FOR APPROVAL	2020/10/30	K.B.	SCALE	1:2500 (22x34) 1:5000 (11x17)		
3	90% REVIEW	2020/01/24	K.B.				
2	50% REVIEW	2019/10/23	K.B.				
1	30% REVIEW	2019/06/04	K.B.				
No.	ISSUED FOR		DATE	BY			

CITY OF IQALUIT  
SOLID WASTE LANDFILL

EXISTING CONDITIONS SITE PLAN

PROJECT NO.  
19-9543

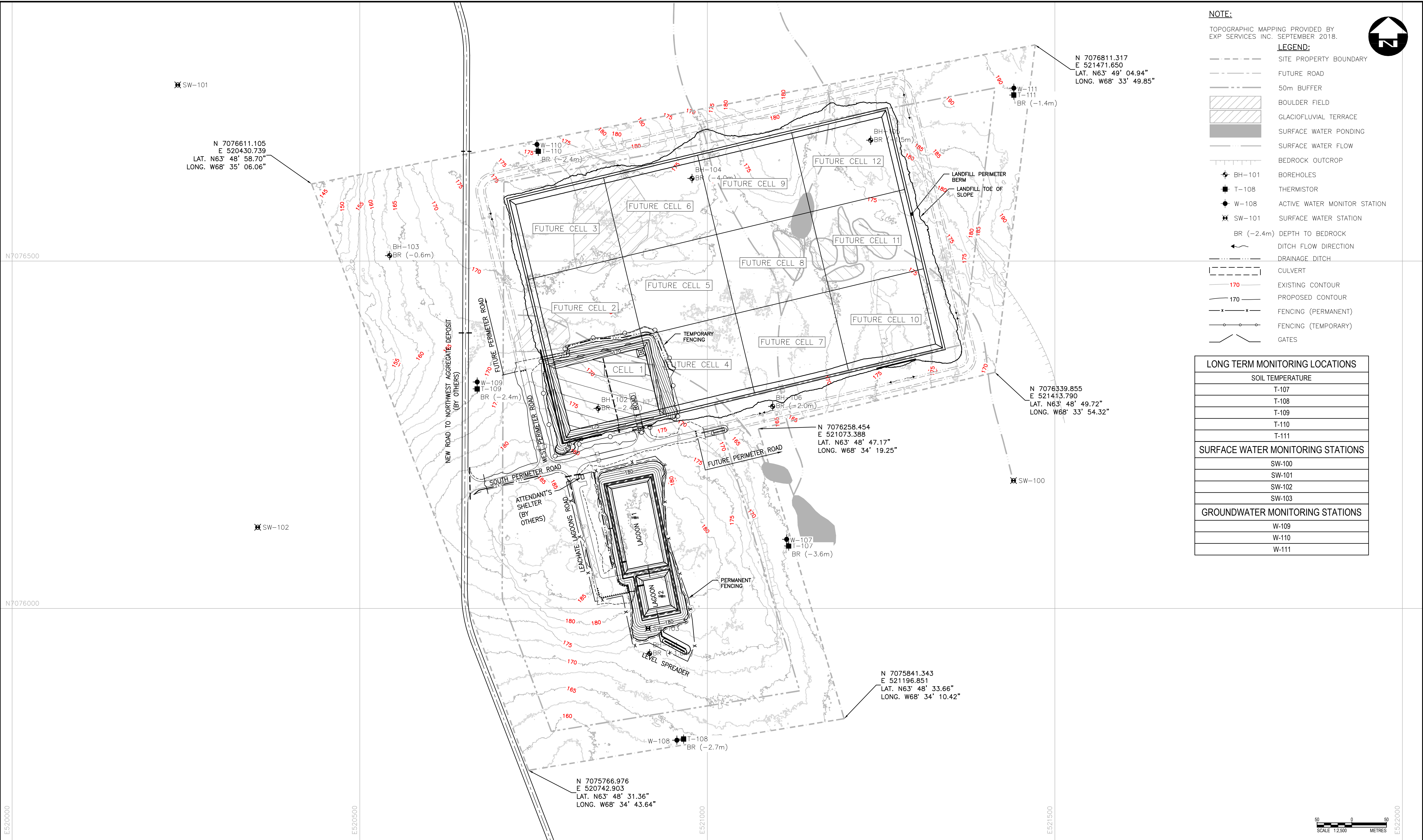
SHEET NO.  
LF-C01







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PLOT DATE: 2022-04-14 9:56:20 AM PLOT SCALE: 1:1 PLOT STYLE: DILLON-STANDARD.CTB



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DESIGN	C.R.S.	REVIEWED BY	S.D.K.
DRAWN	D.B.C./D.T.M.	CHECKED BY	K.B.
DATE	MAY 2019		
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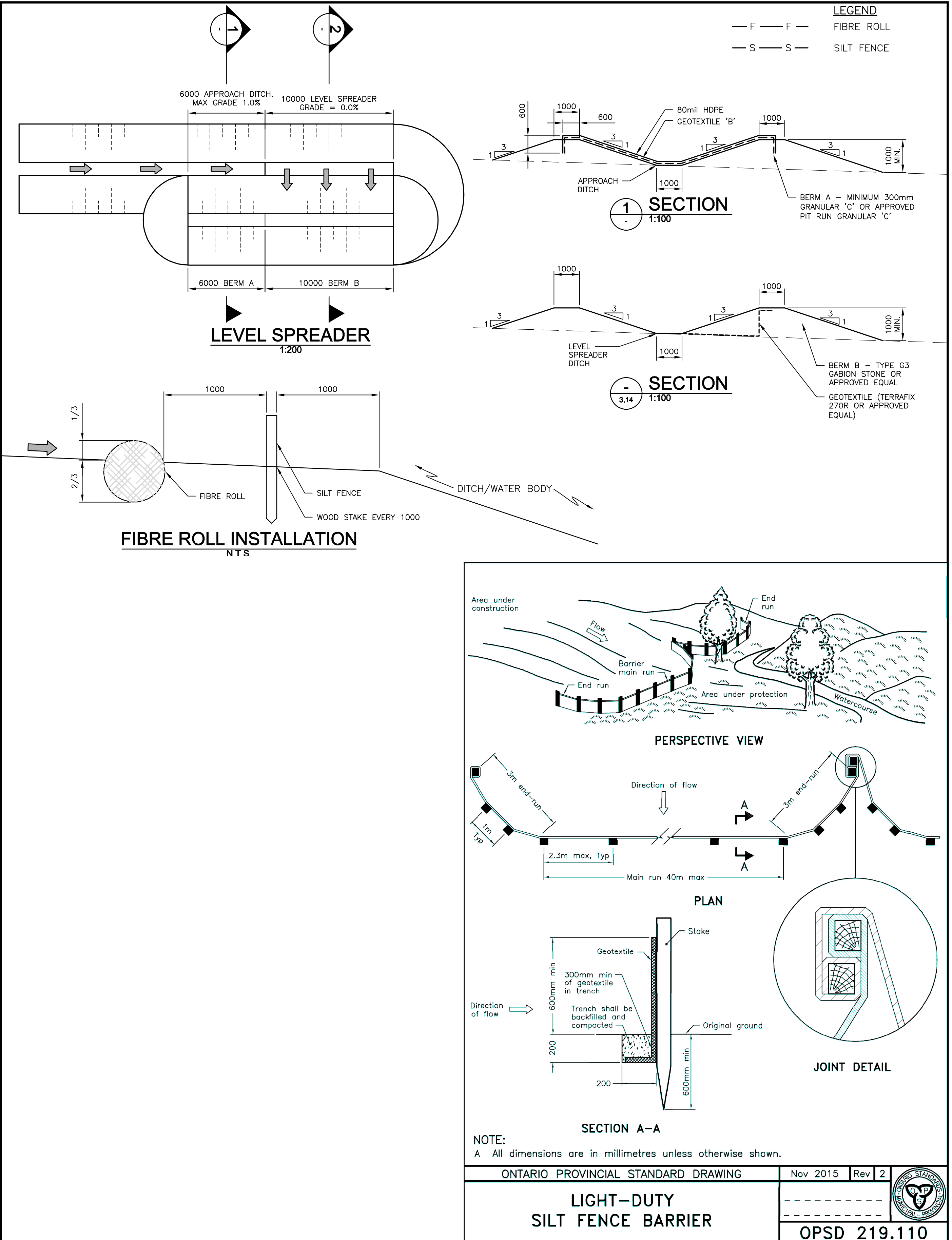
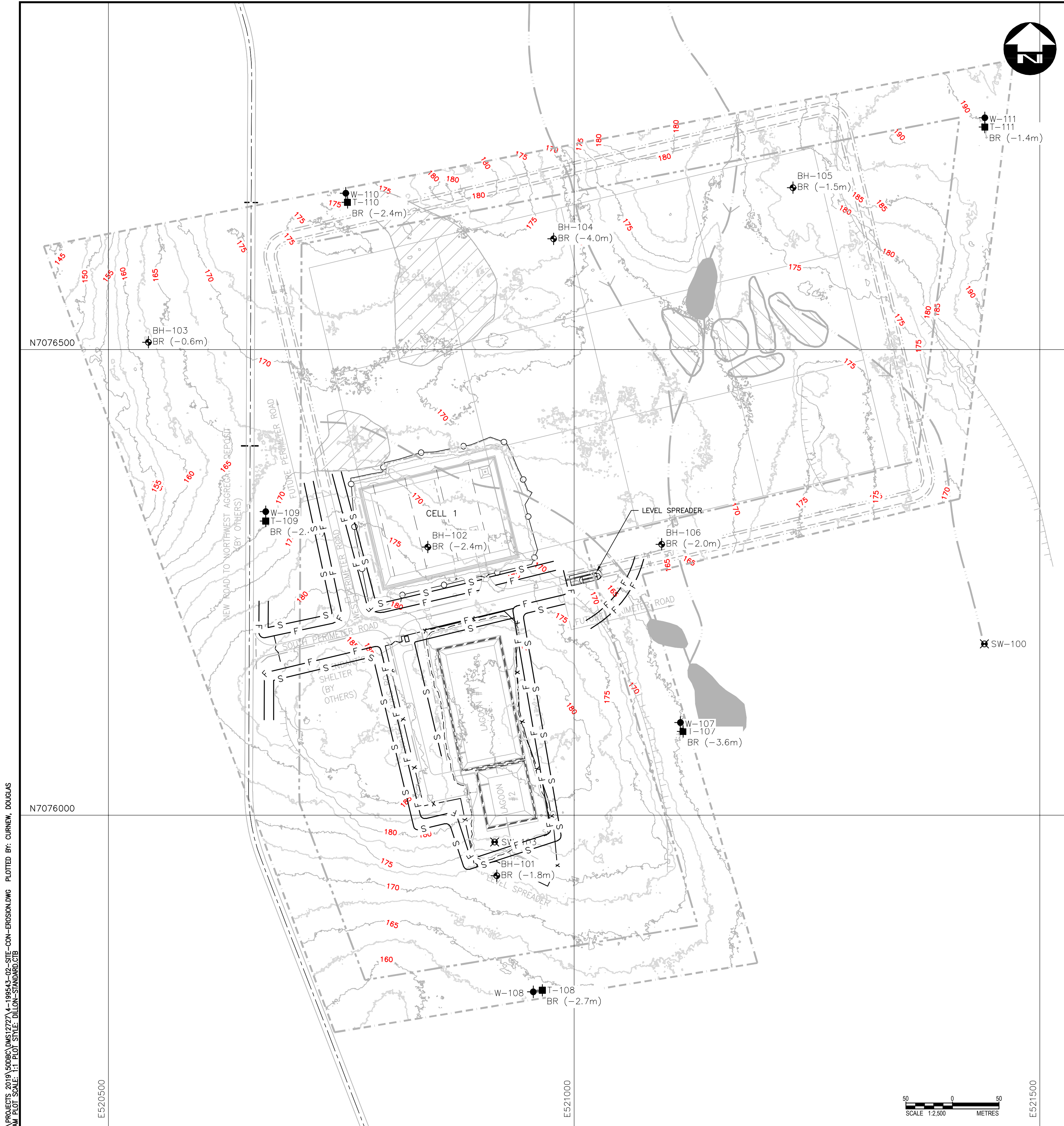
CITY OF IQALUIT  
SOLID WASTE LANDFILL

PROPOSED LANDFILL FACILITY LAYOUT  
(FOR INFORMATION ONLY)

PROJECT NO.  
19-9543

SHEET NO.  
LF-C03





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5	REVIEW	2021/06/25	K.B.
4	100% ISSUED FOR APPROVAL	2020/12/15	K.B.
3	90% REVIEW	2020/10/24	K.B.
2	50% REVIEW	2019/10/23	K.B.
1	30% REVIEW	2019/06/04	K.B.
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DESIGN	C.R.S.	REVIEWED BY	S.D.K.
DRAWN	D.B.C./D.T.M.	CHECKED BY	K.B.
DATE	MAY 2019		
SCALE	1:2500 (22x34) 1:5000 (11x17)		

**CITY OF IQALUIT**

**SOLID WASTE LANDFILL**

**EROSION CONTROL SITE PLAN & DETAILS**

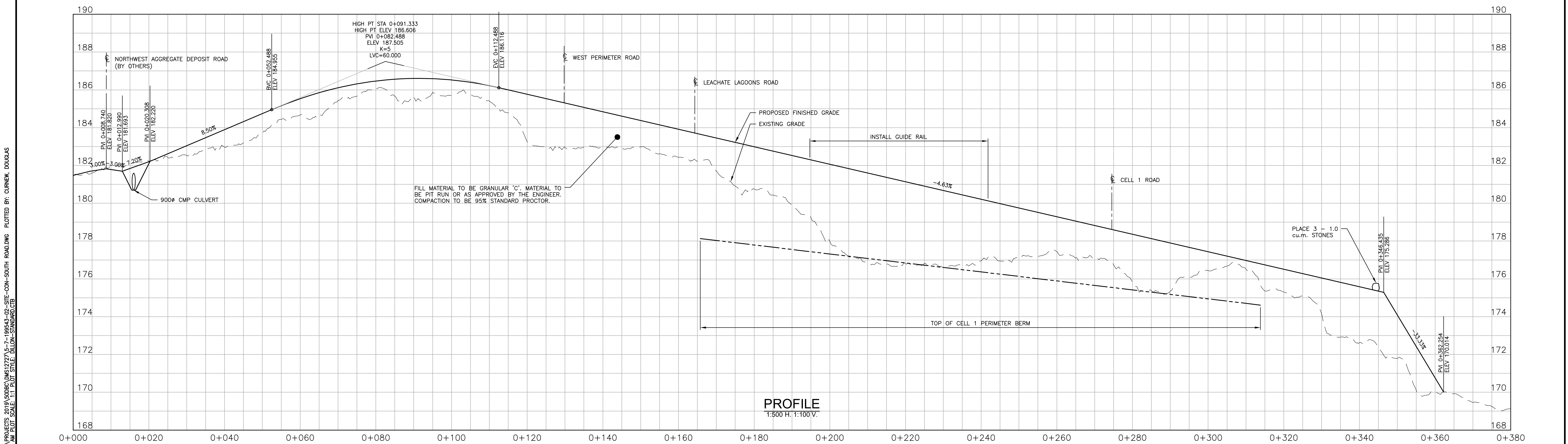
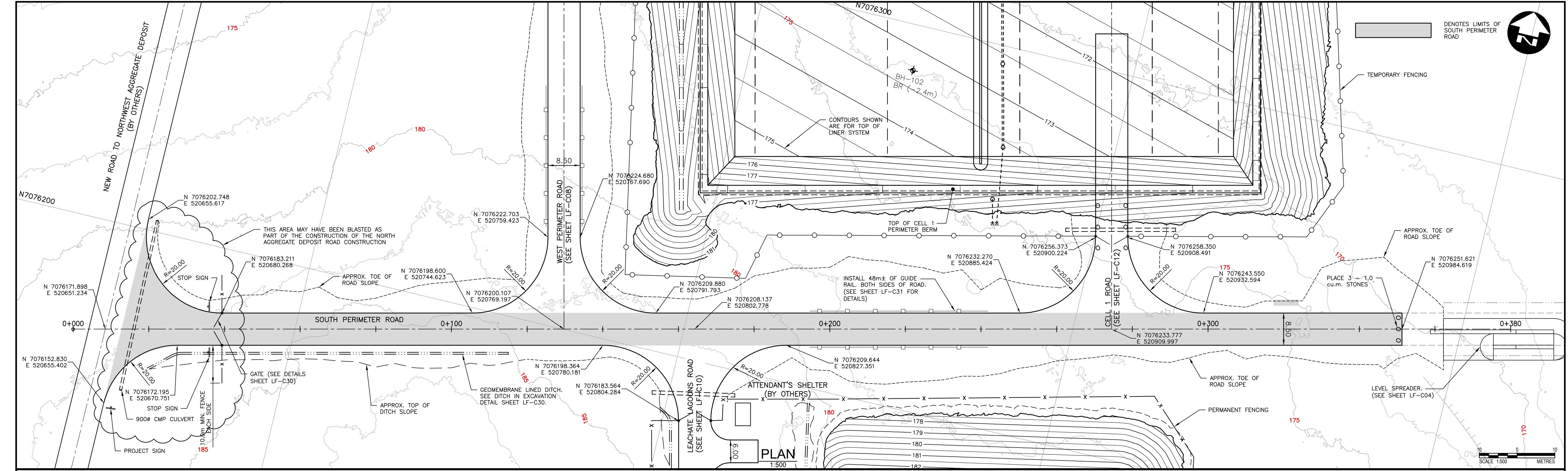
PROJECT NO.

**19-9543**

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K.B. BARNES  
LICENSEE  
2022-04-14  
NWT/NJ

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DESIGN	C.R.S.	REVIEWED BY	S.D.K.
DRAWN	D.B.C./D.T.M.	CHECKED BY	K.B.
DATE	MAY 2019		
SCALE	AS NOTED		

CITY OF IQALUIT  
SOLID WASTE LANDFILL

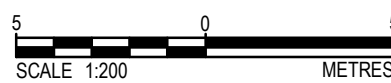
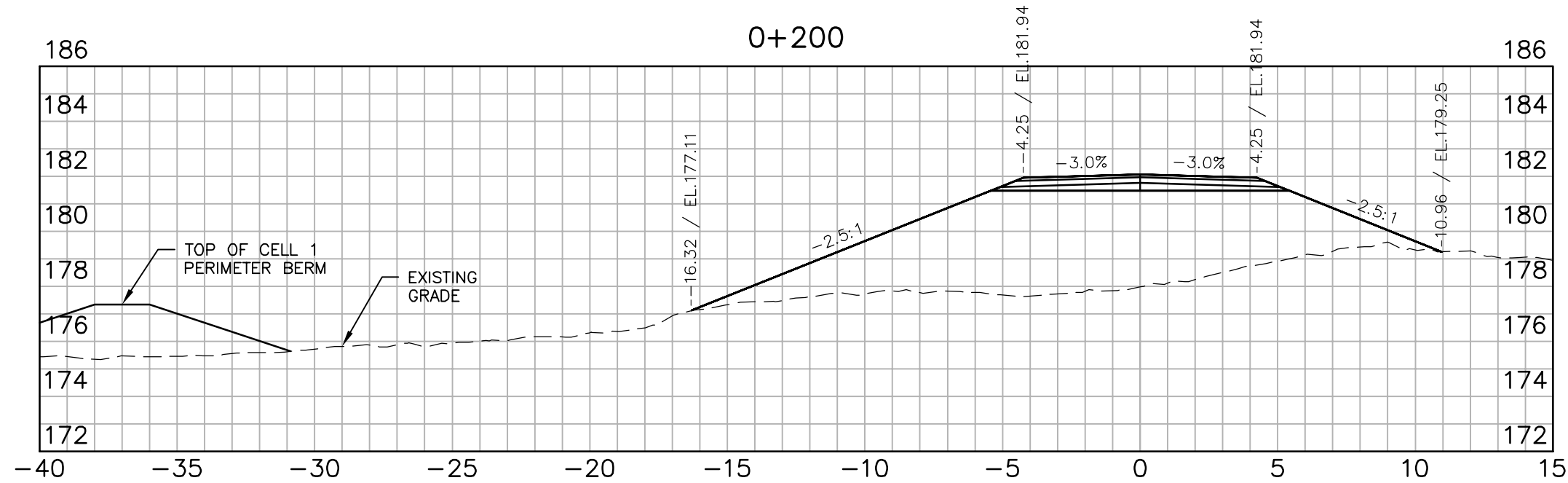
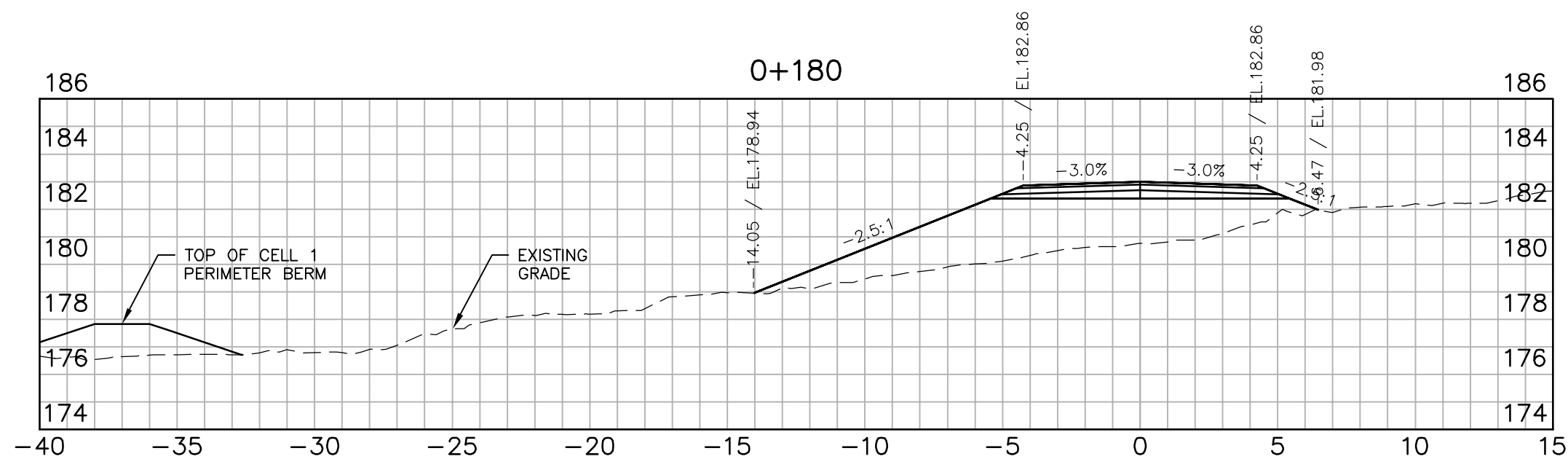
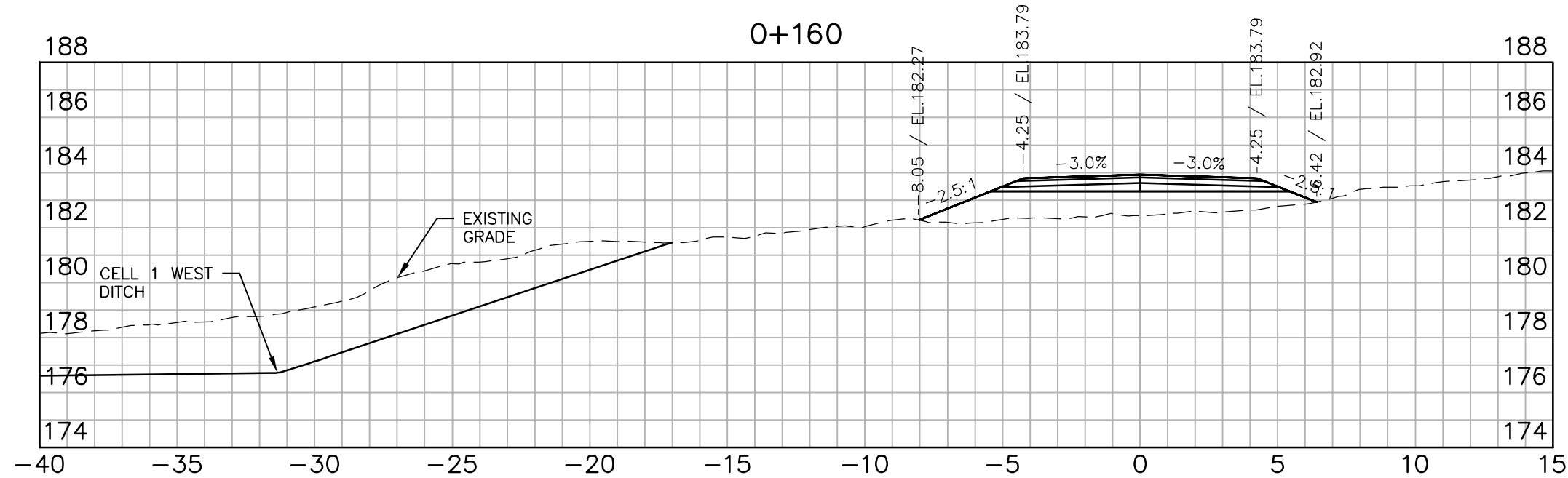
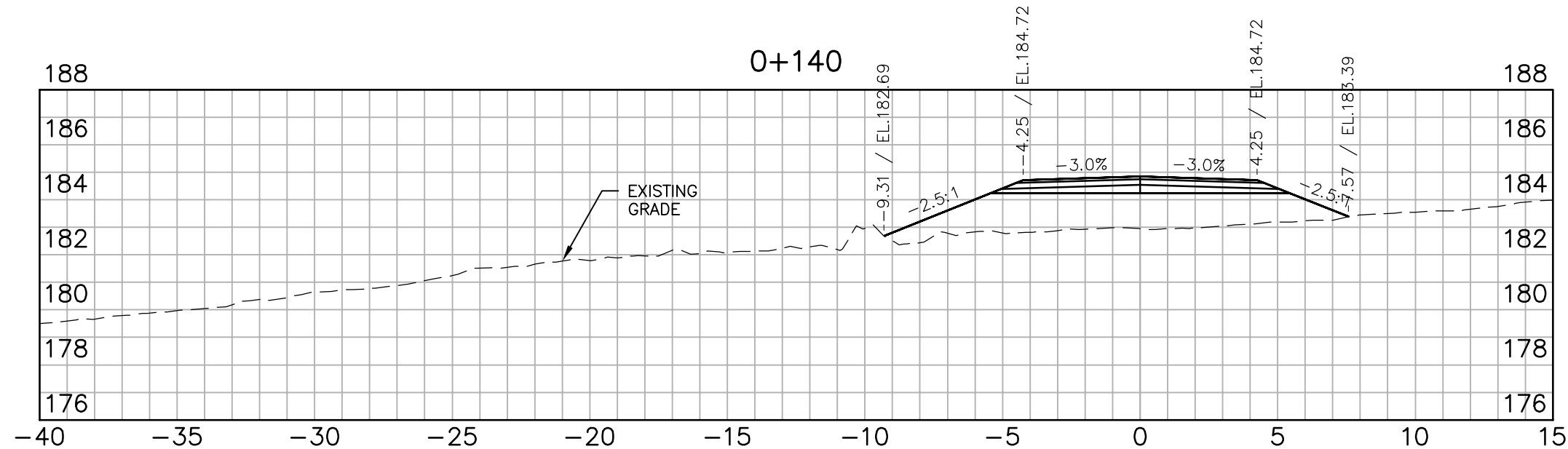
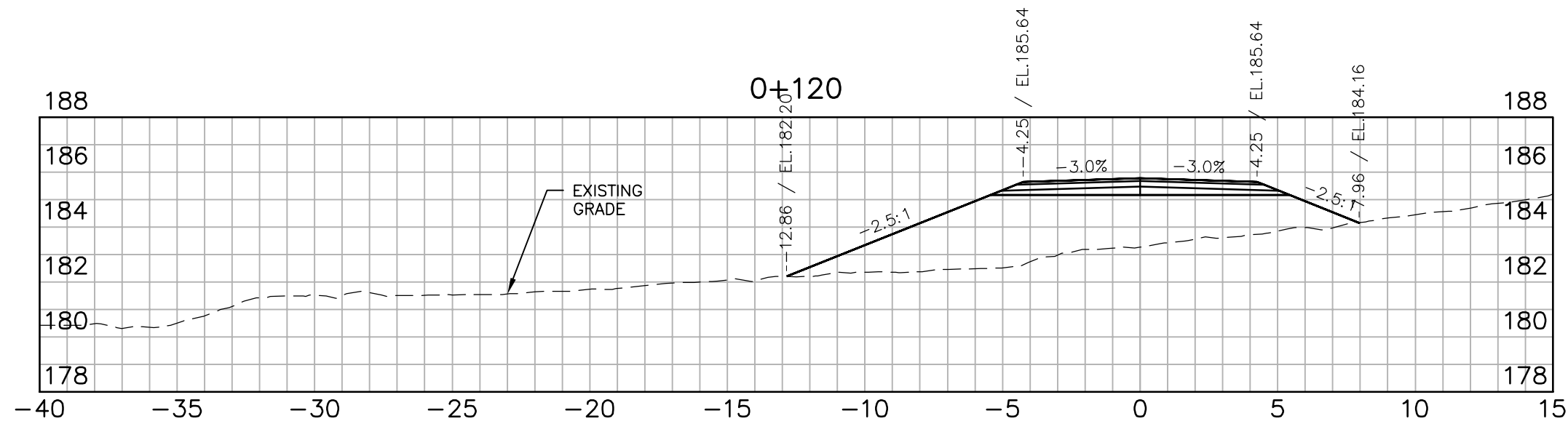
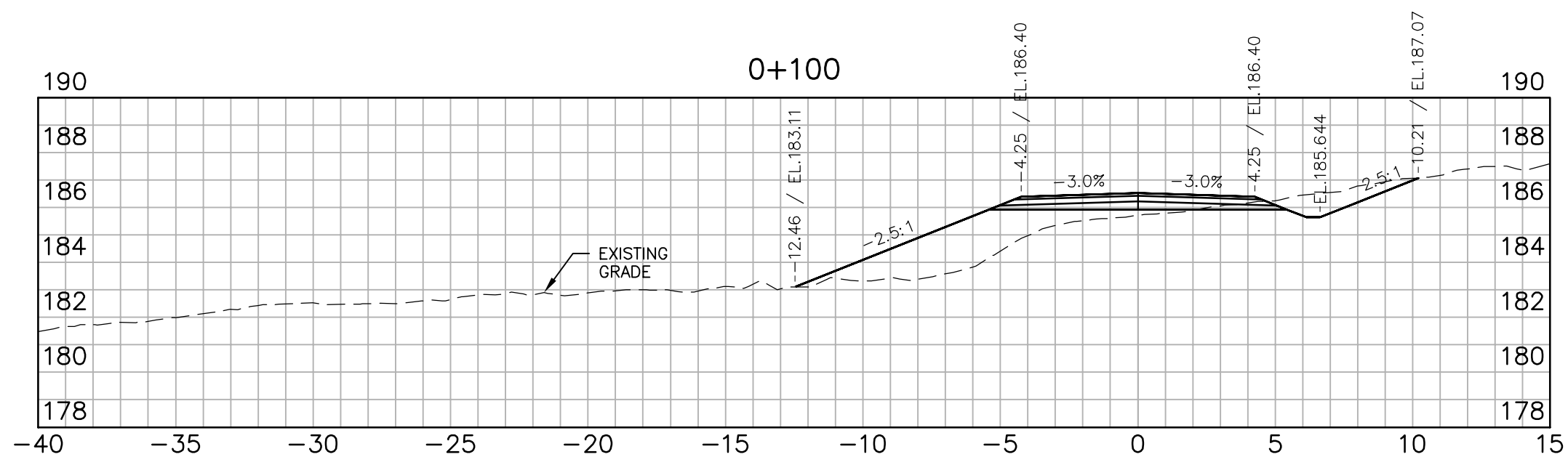
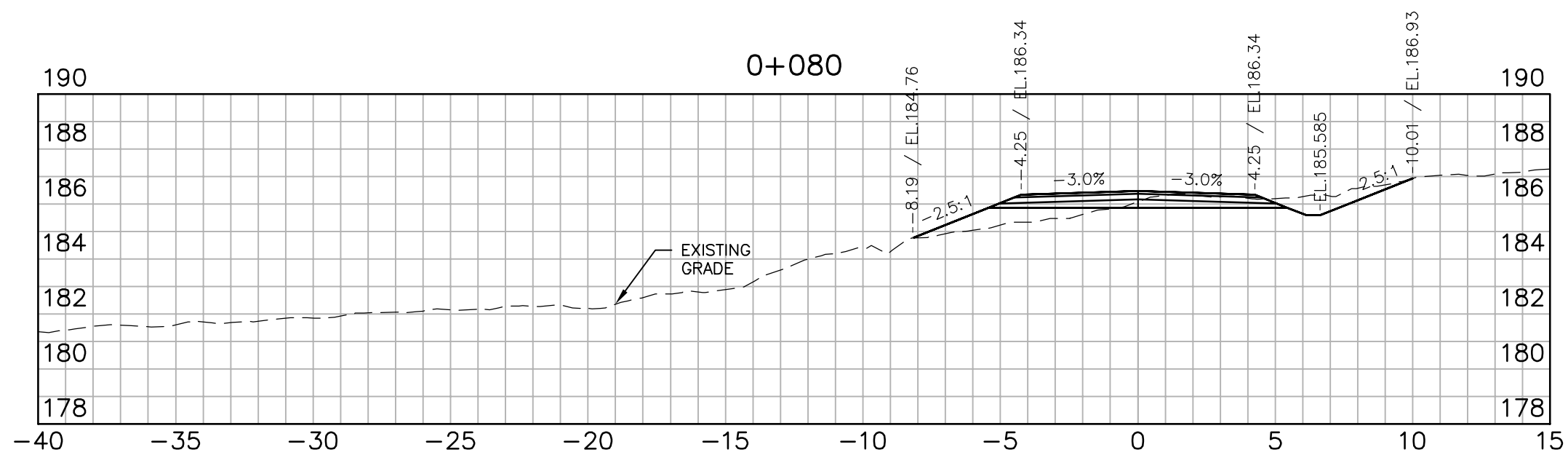
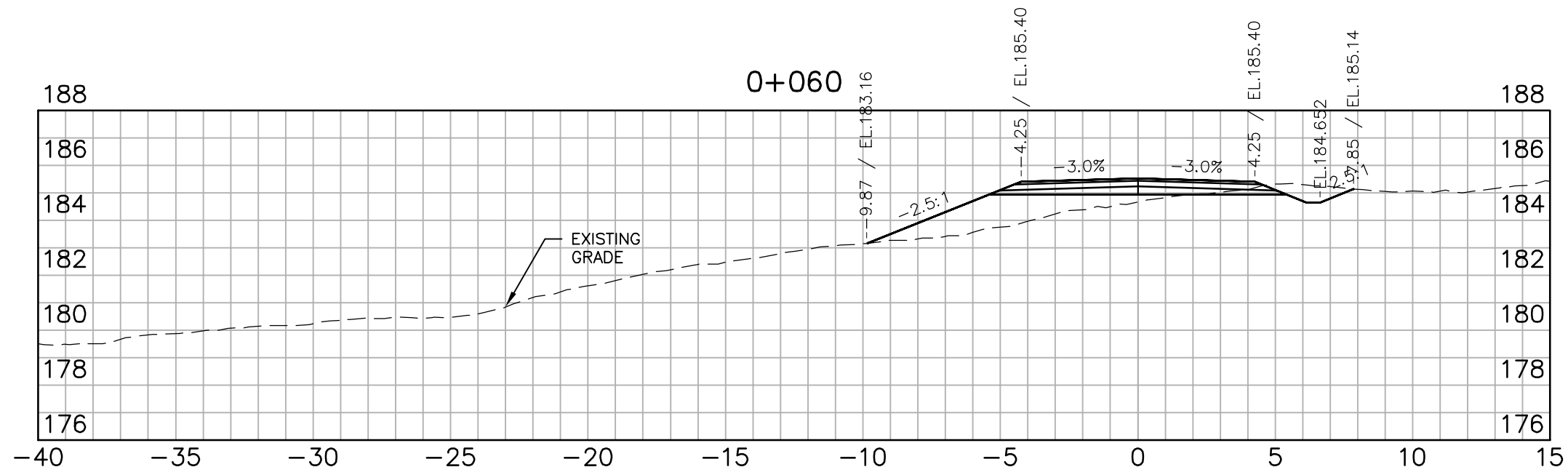
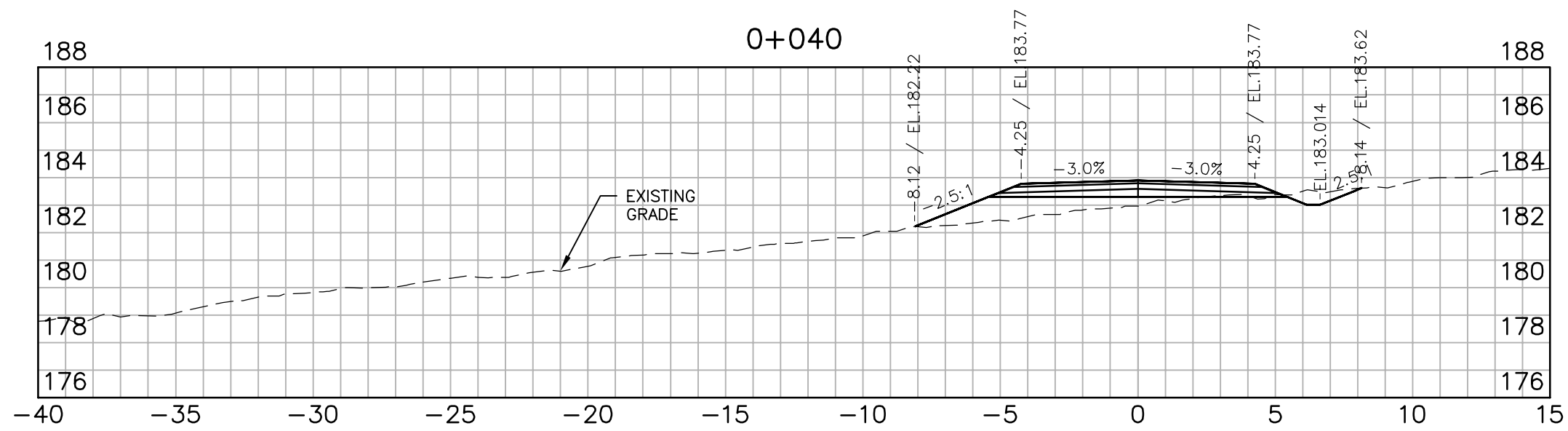
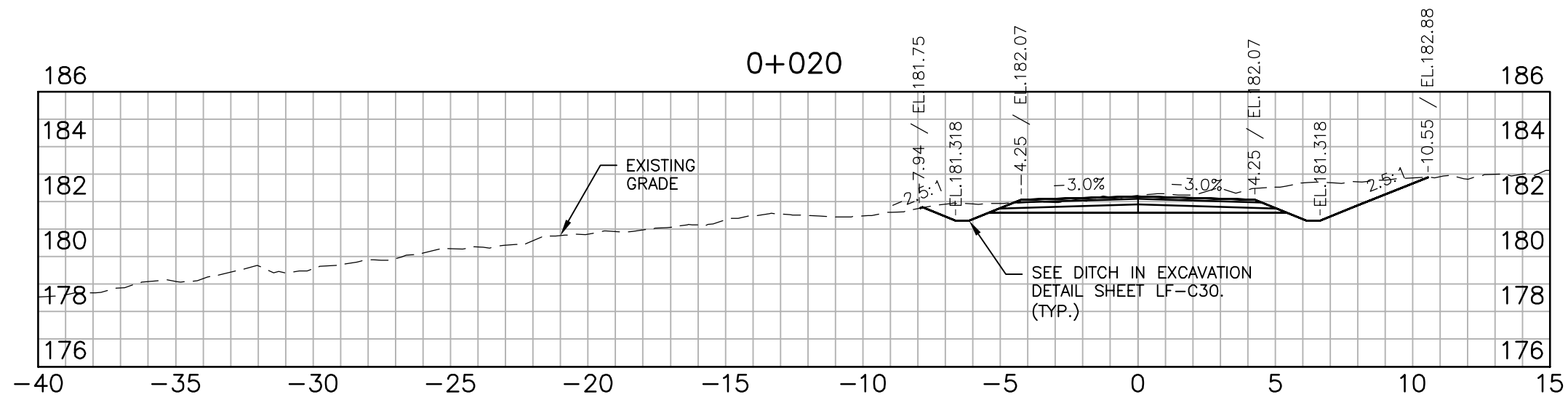
**SOUTH PERIMETER ROAD  
PLAN & PROFILE**

PROJECT NO.  
19-9543

SHEET NO.  
**LF-C05**



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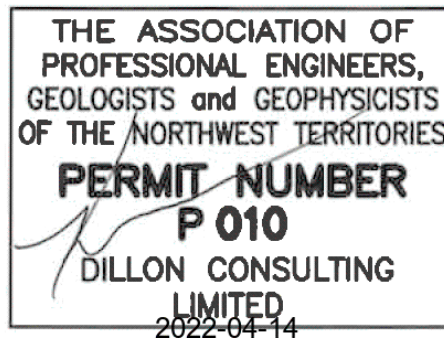
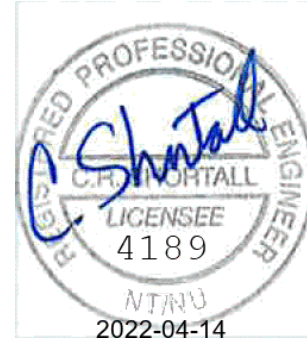


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DESIGN	C.R.S.	REVIEWED BY	S.D.K.
DRAWN	D.B.C./D.T.M.	CHECKED BY	K.B.
DATE	JUNE 2021	SCALE	1:200
2	RELEASED FOR TENDER	2022/04/14	K.B.
1	REVIEW	2021/09/24	K.B.
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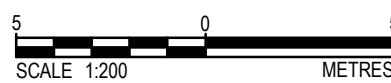
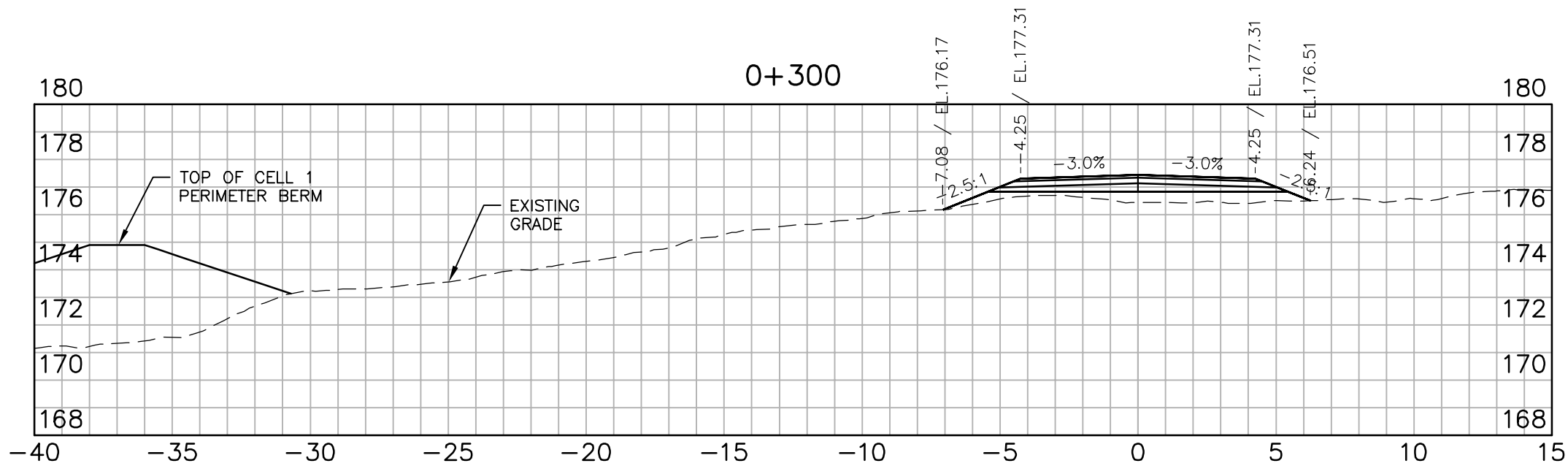
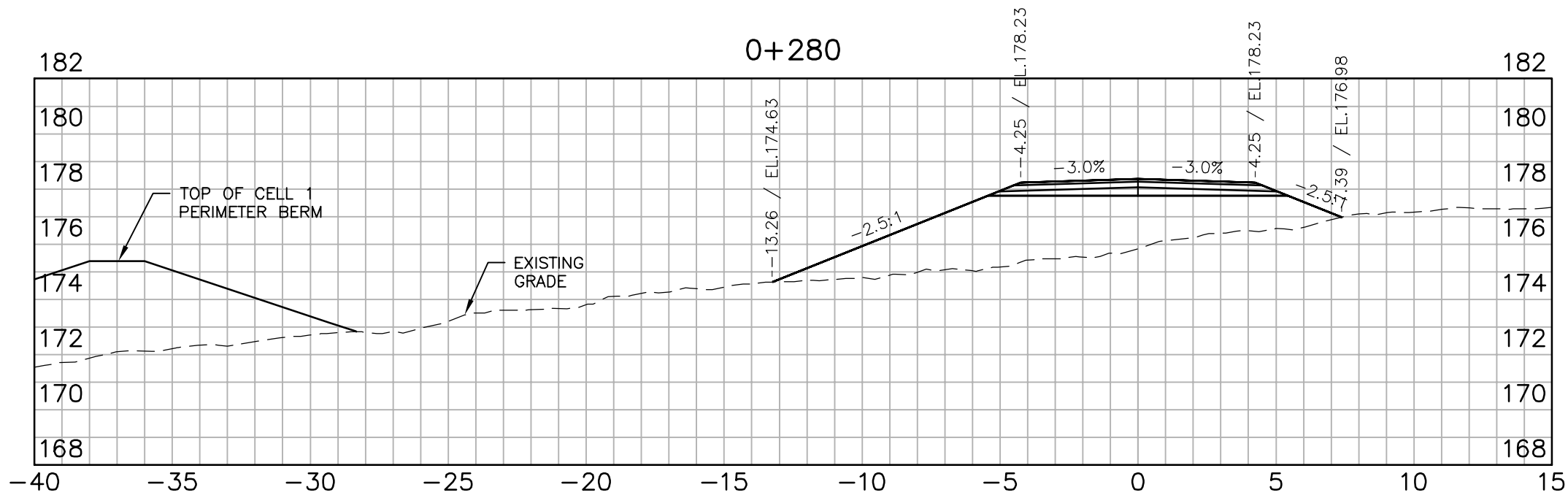
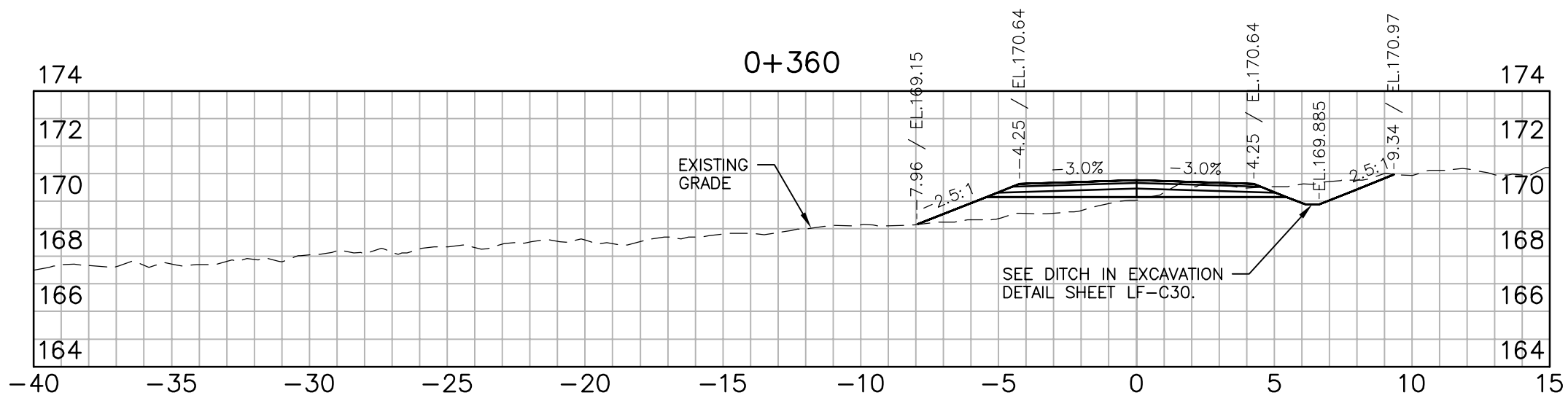
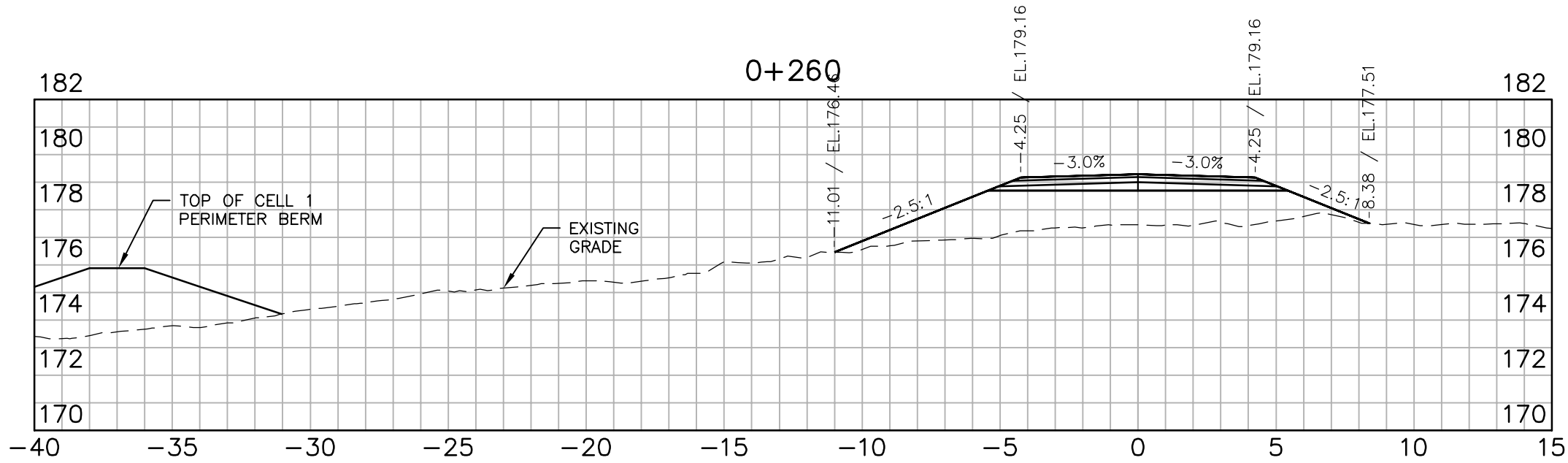
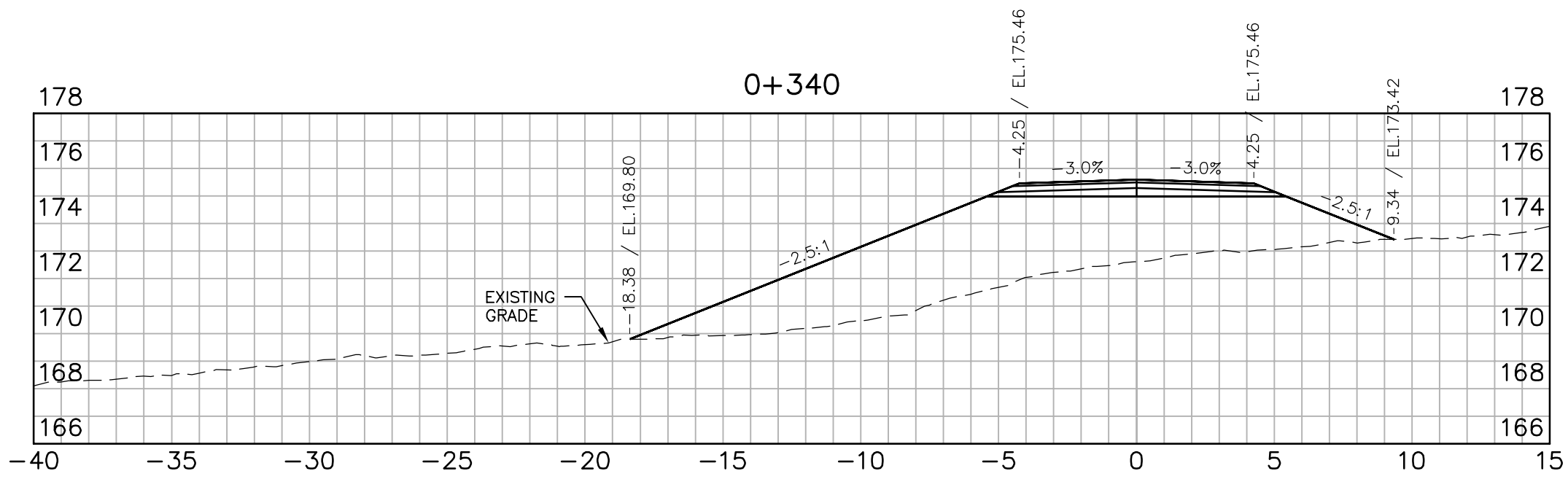
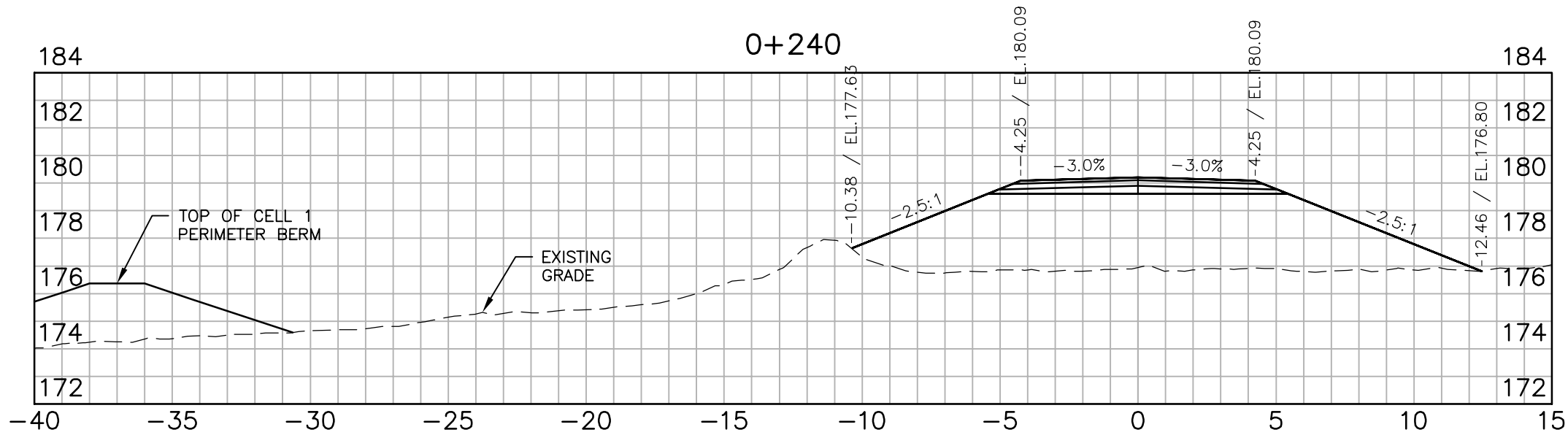
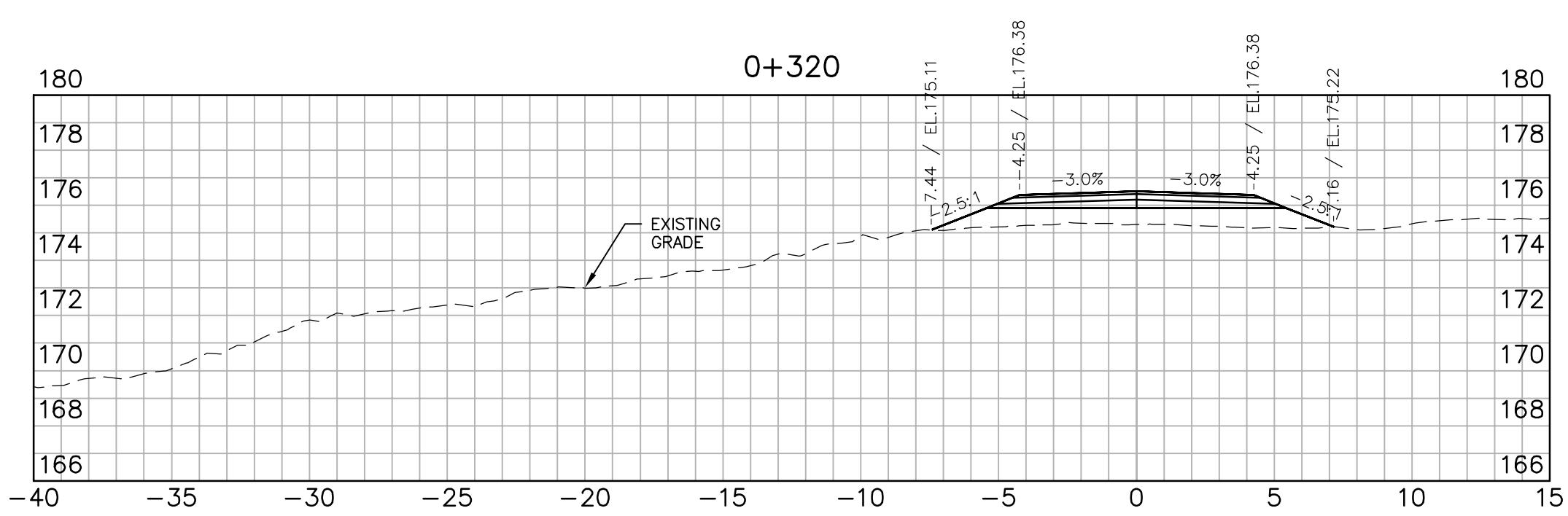
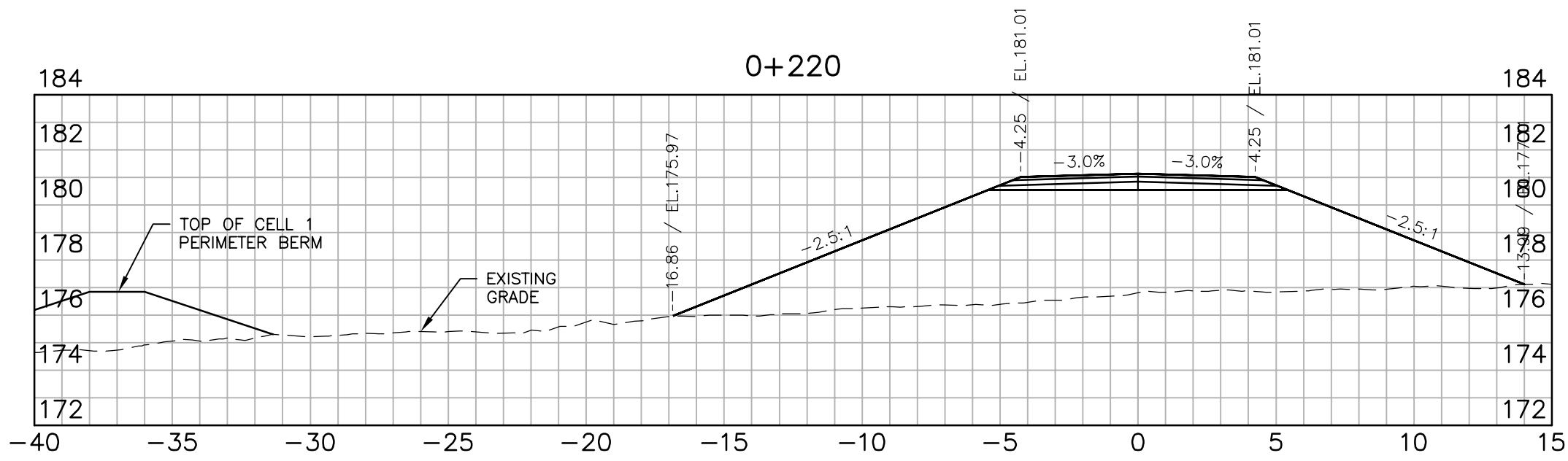
SHEET NO.

LF-C06

SOUTH PERIMETER ROAD  
SECTIONS - 0+020 TO 0+200



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PLOT DATE: 2022-04-14 @ 10:53:34 AM PLOT SCALE: 1:1 PLOT STYLE: DILLON-STD.ACT

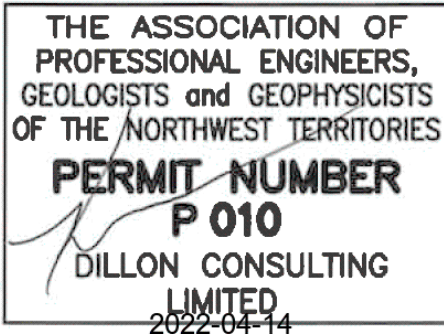
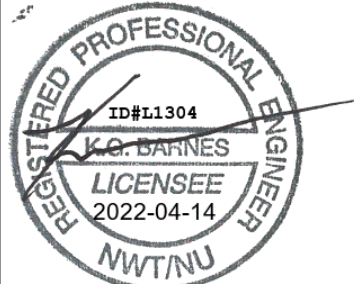
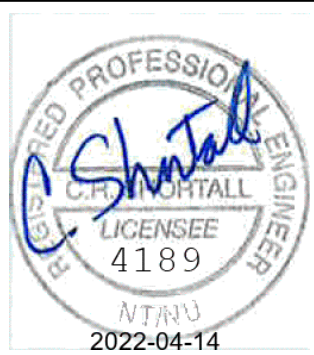


Conditions of Use

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DESIGN	C.R.S.	REVIEWED BY	S.D.K.
DRAWN	D.B.C./D.T.M.	CHECKED BY	K.B.
DATE	JUNE 2021	SCALE	1:200
2	RELEASED FOR TENDER	2022/04/14	K.B.
1	REVIEW	2021/09/24	K.B.
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CITY OF IQALUIT  
SOLID WASTE LANDFILL

PROJECT NO.

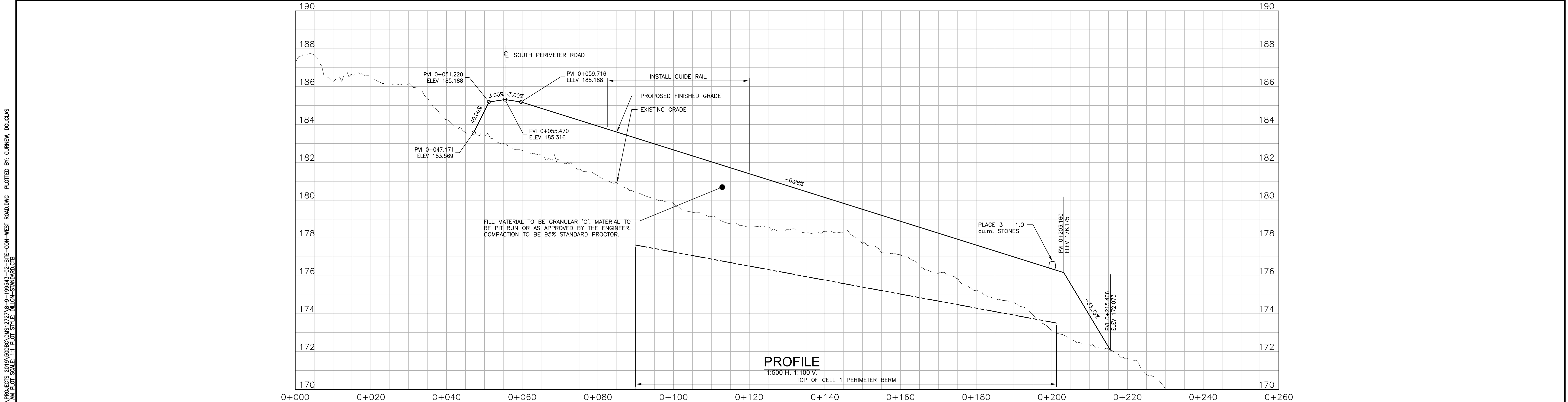
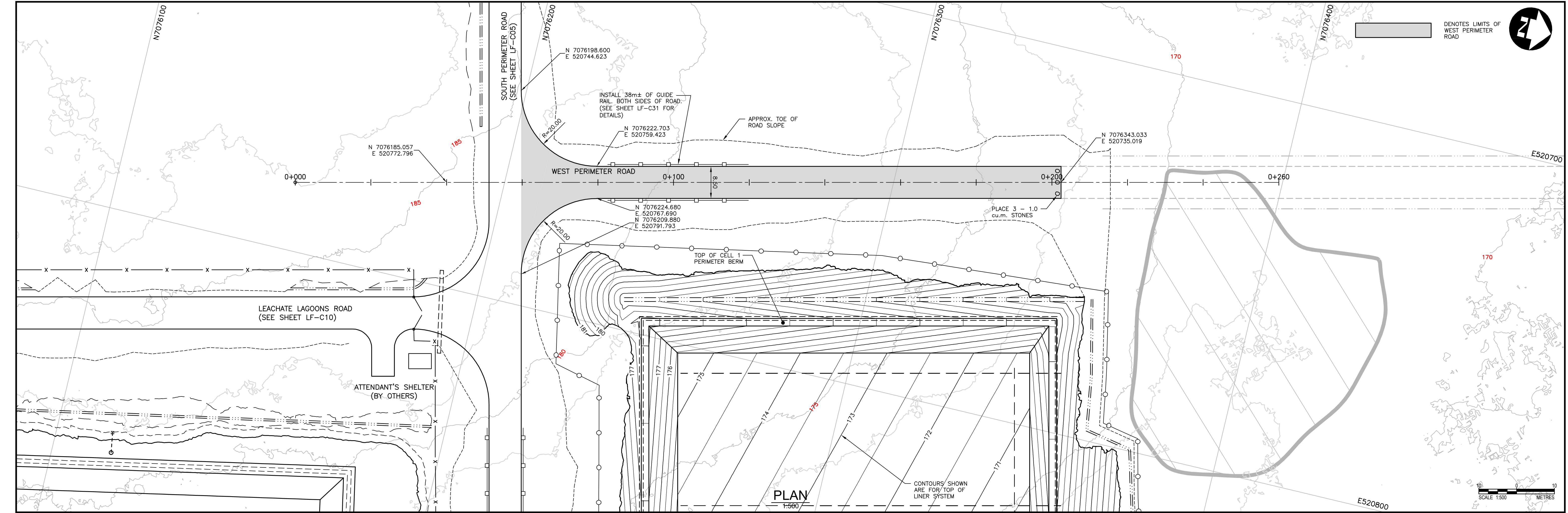
19-9543

SHEET NO.

LF-C07

SOUTH PERIMETER ROAD  
SECTIONS - 0+220 TO 0+360





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**PERMIT NUMBER P 010**

**DILLON CONSULTING LIMITED**

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DESIGN	REVIEWED BY
C.R.S. <td>S.D.K.</td>	S.D.K.
DRAWN	CHECKED BY
D.B.C./D.T.M. <td>K.B.</td>	K.B.
DATE	SCALE
MAY 2019	AS NOTED

**CITY OF IQALUIT**

**SOLID WASTE LANDFILL**

**WEST PERIMETER ROAD**

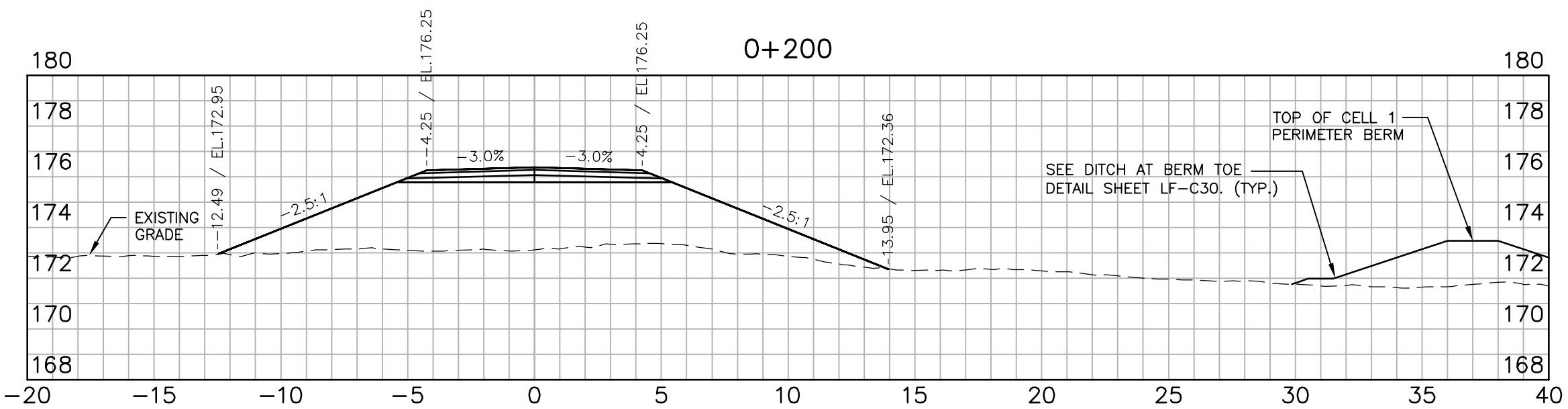
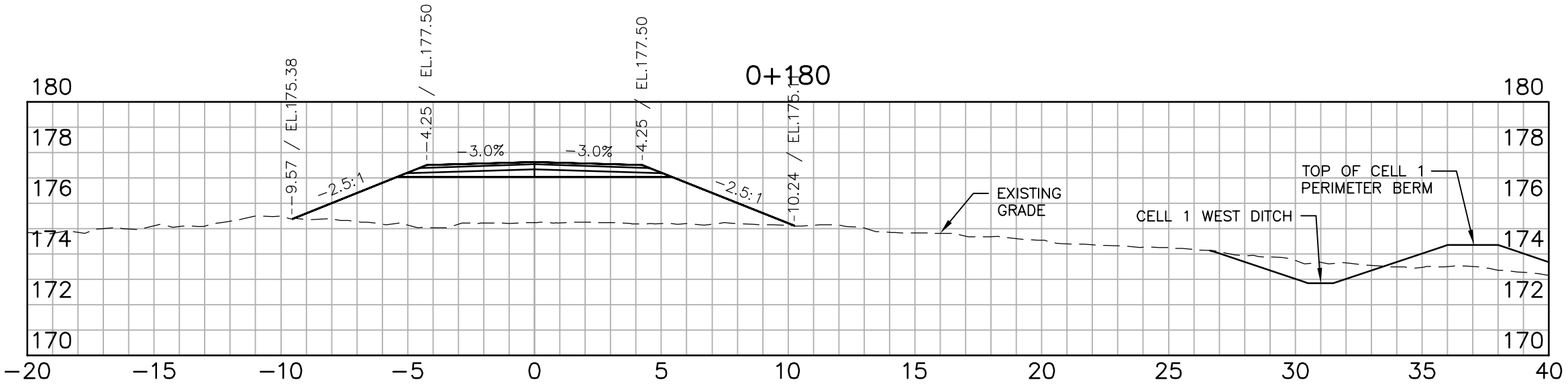
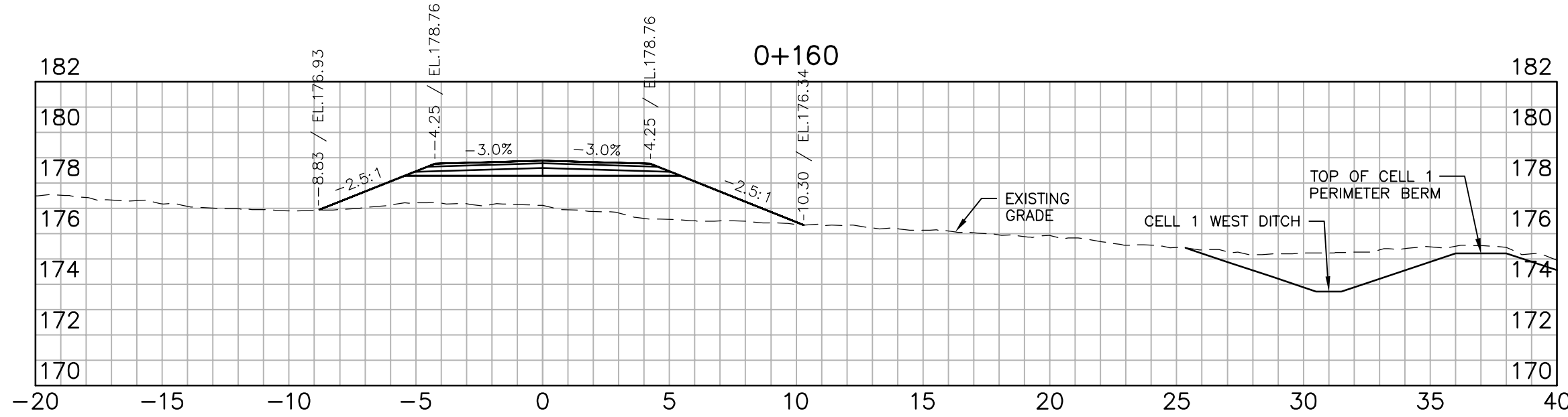
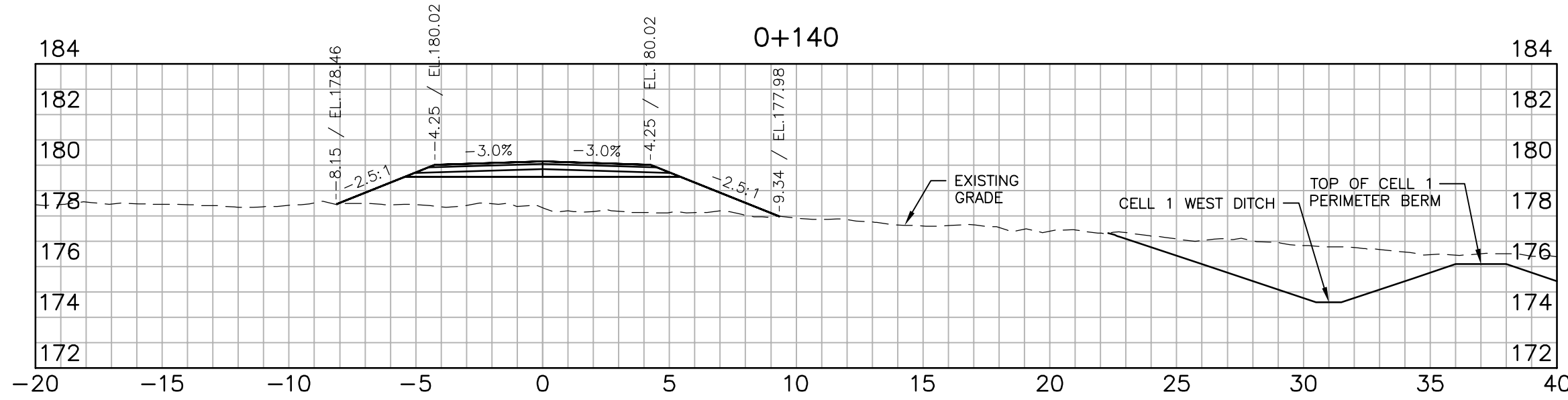
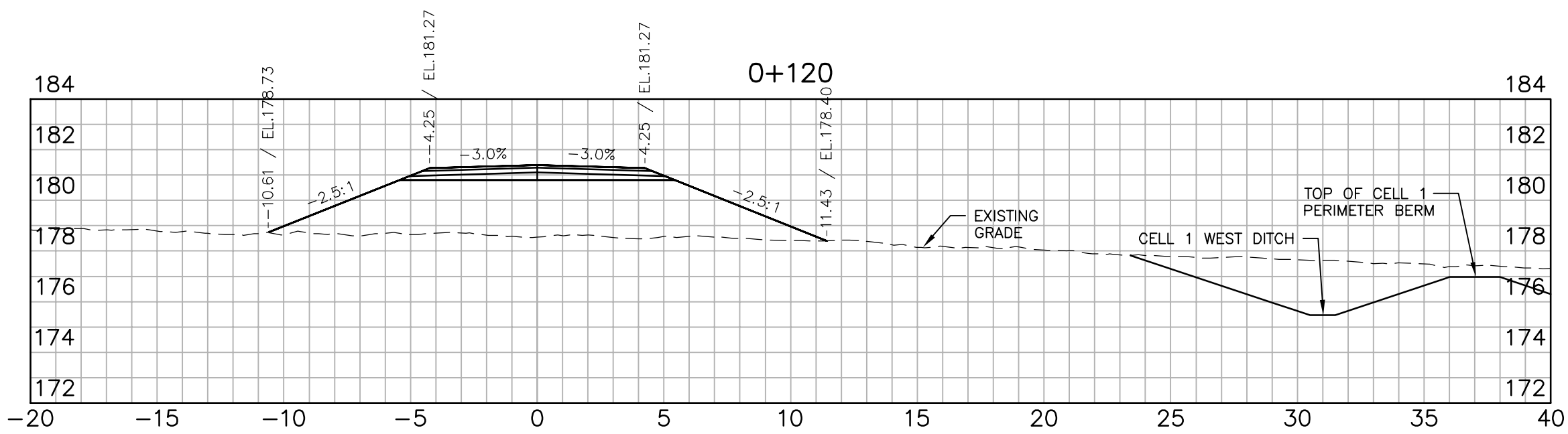
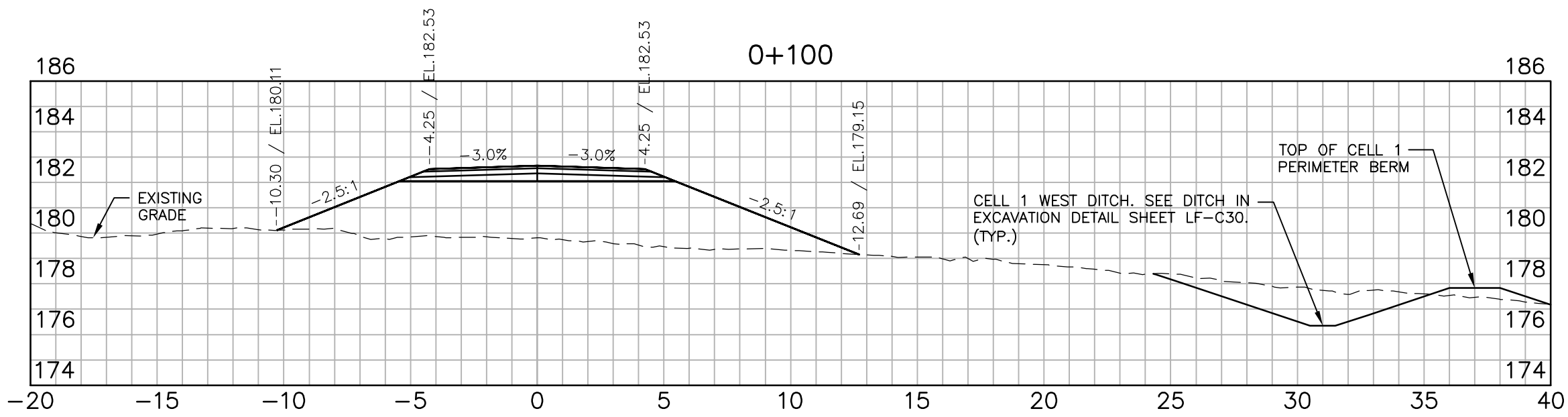
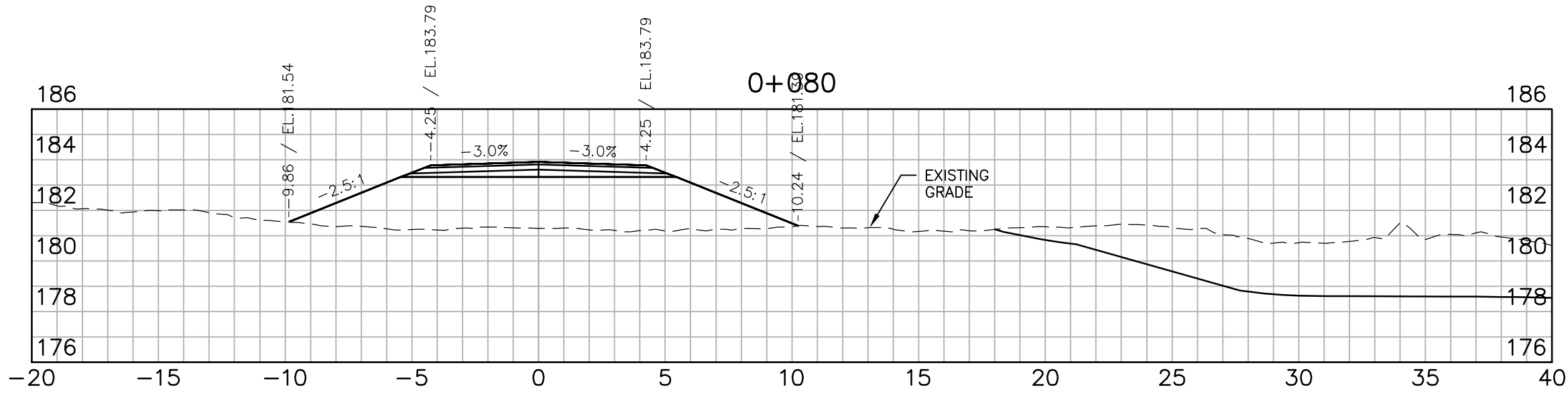
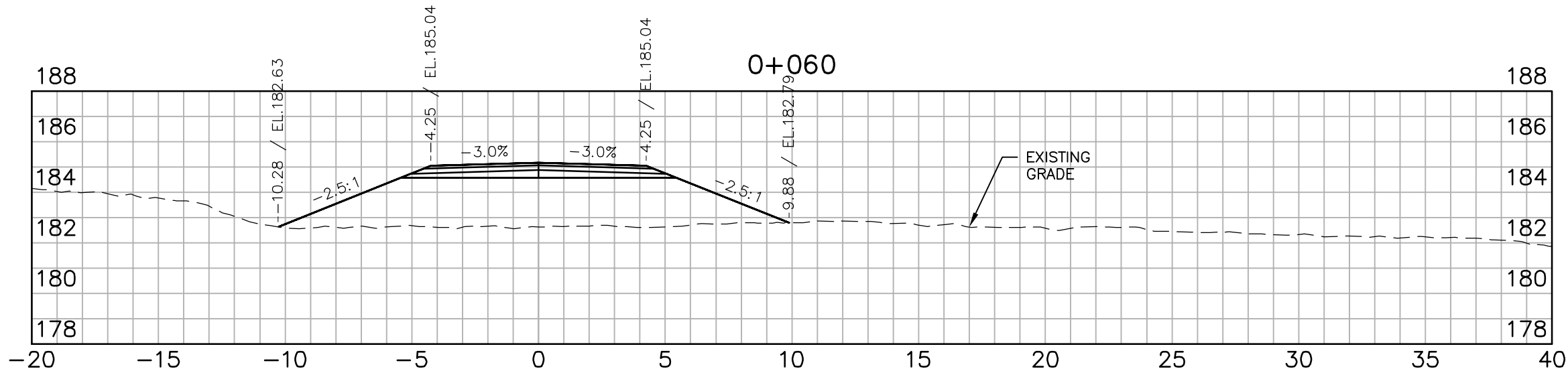
**PLAN & PROFILE**

PROJECT NO. **19-9543**

SHEET NO. **LF-C08**



FILENAME: C:\PM WORKING DIRECTORY\PROJECTS 2019\S008C\061727A 8-9-1995-02-SITE-CON-WEST ROAD.DWG PLOTTED BY: CURNEW, DOUGLAS  
PLOT DATE: 2022-04-14 9:01:40 AM PLOT SCALE: 1:1 PLOT STYLE: DILLON-STD.ACT



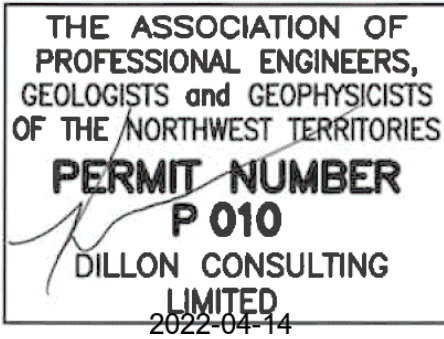
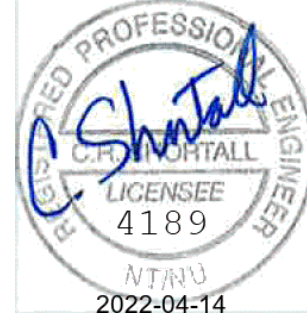
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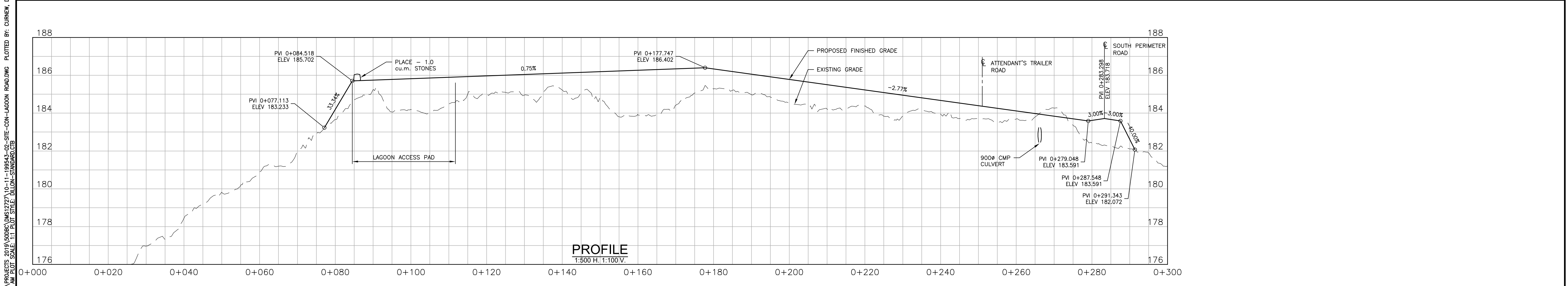
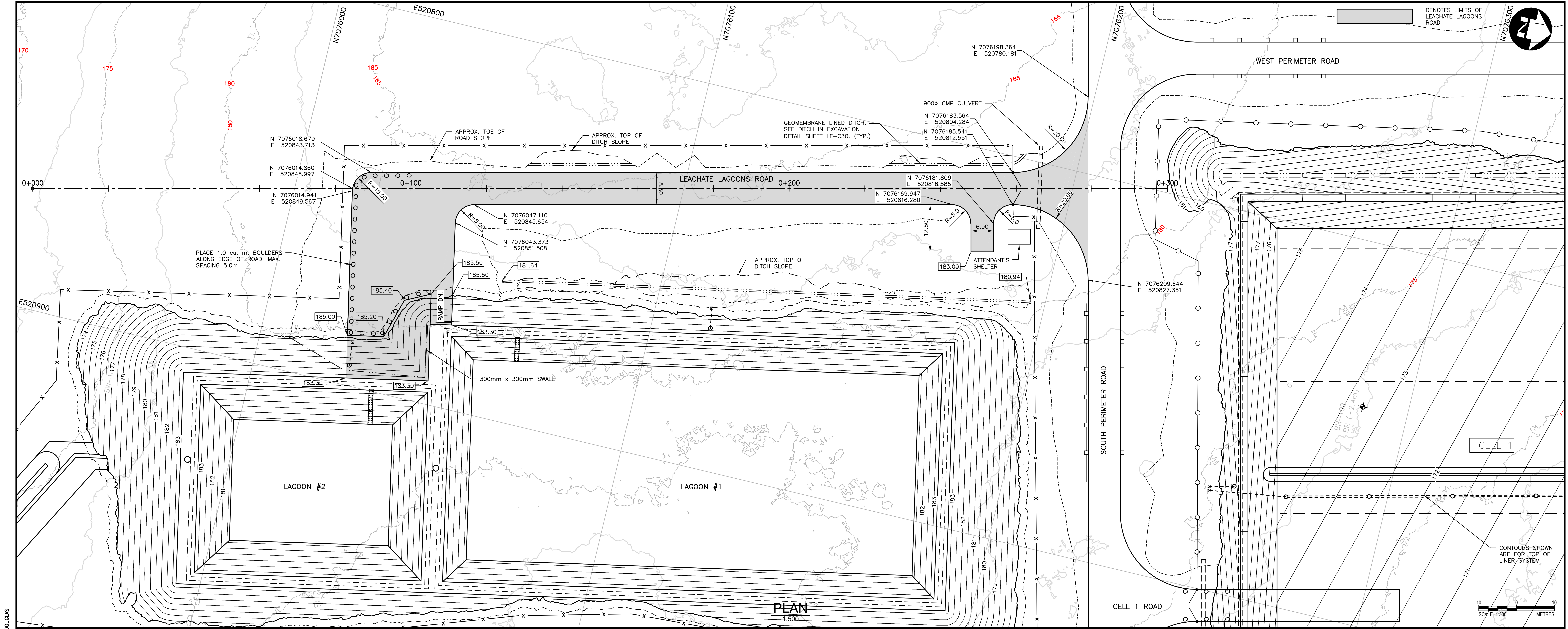
19-9543

SHEET NO.

LF-C09

WEST PERIMETER ROAD  
SECTIONS STA. 0+060 TO 0+200





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**PERMIT NUMBER P 010**

**DILLON CONSULTING LIMITED**

2022-04-14

No.	ISSUED FOR	DATE	BY
7	RELEASED FOR TENDER	2022/04/14	K.B.
6	REVIEW	2021/09/24	K.B.
5	REVIEW	2021/06/25	K.B.
4	100% ISSUED FOR APPROVAL	2020/12/15	K.B.
3	90% REVIEW	2020/10/24	K.B.
2	50% REVIEW	2019/10/23	K.B.
1	30% REVIEW	2019/06/04	K.B.

DESIGN	REVIEWED BY
C.R.S.	S.D.K.

DRAWN	CHECKED BY
D.B.C./D.T.M.	K.B.

DATE	SCALE
MAY 2019	AS NOTED

**CITY OF IQALUIT**

**SOLID WASTE LANDFILL**

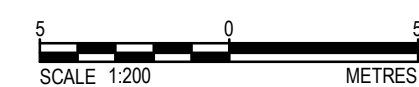
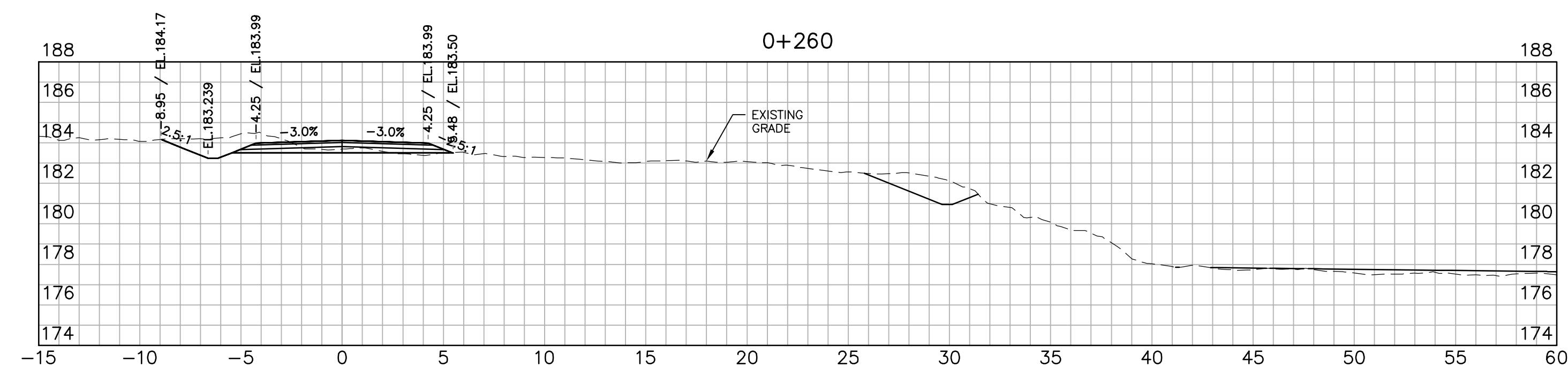
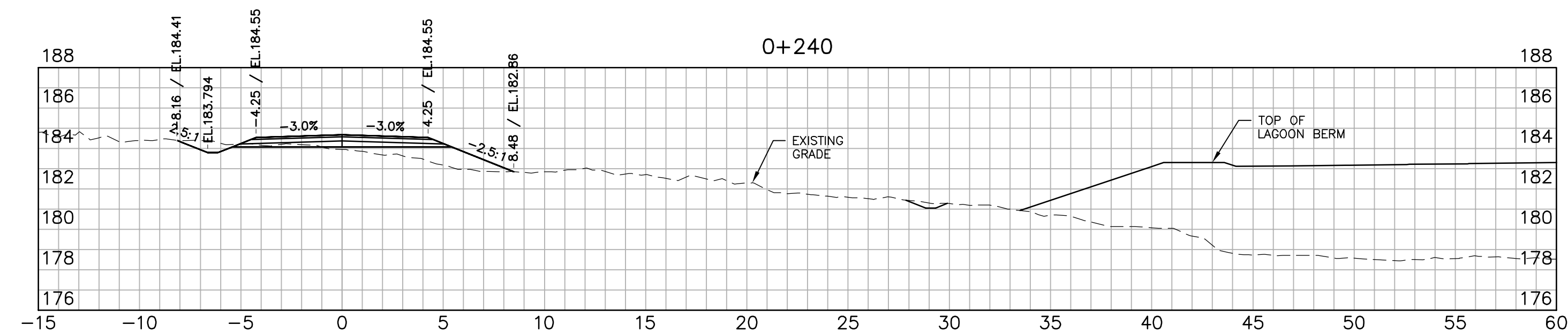
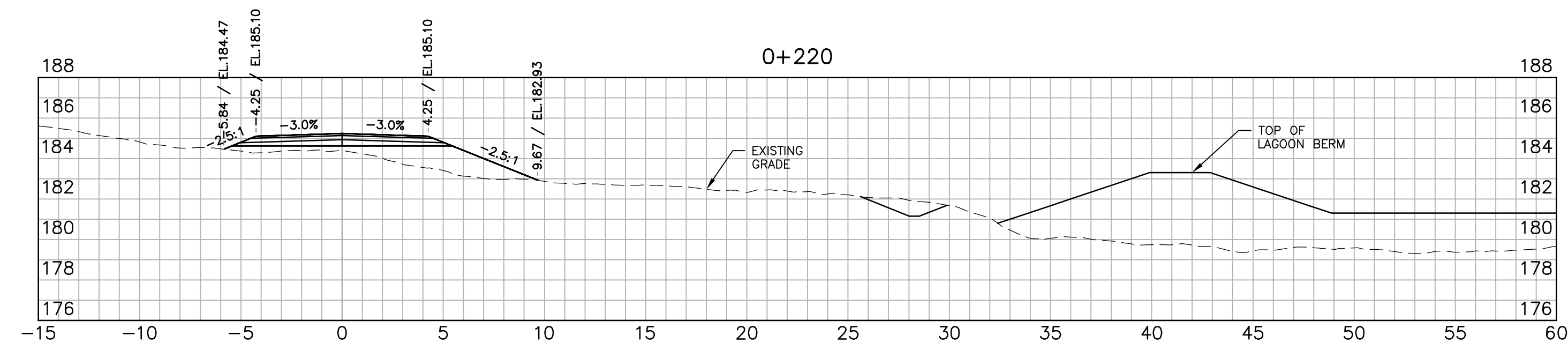
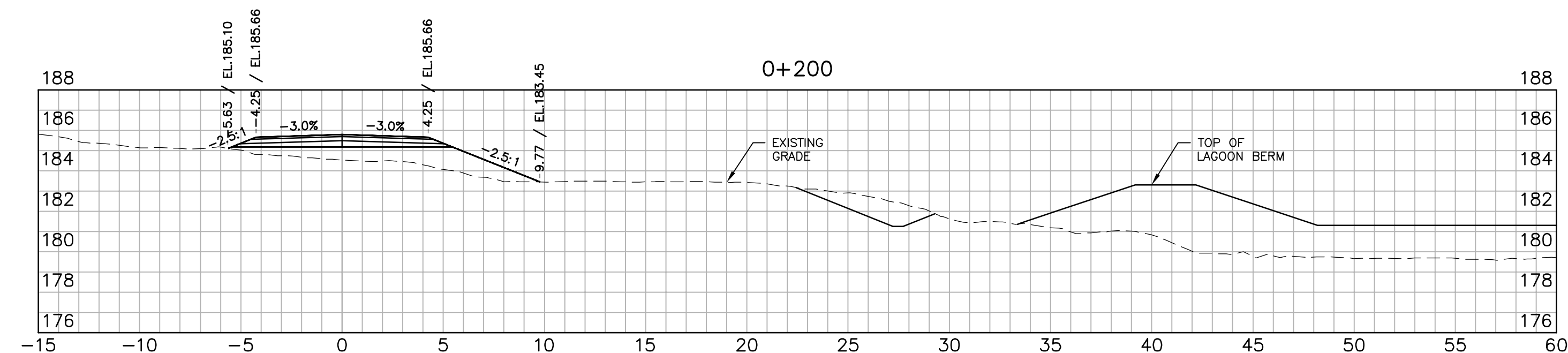
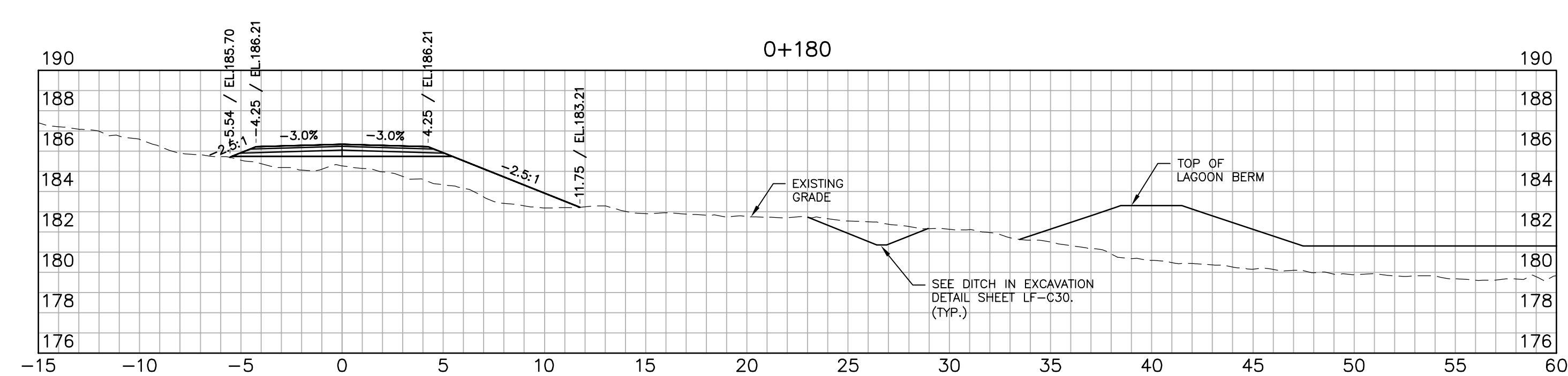
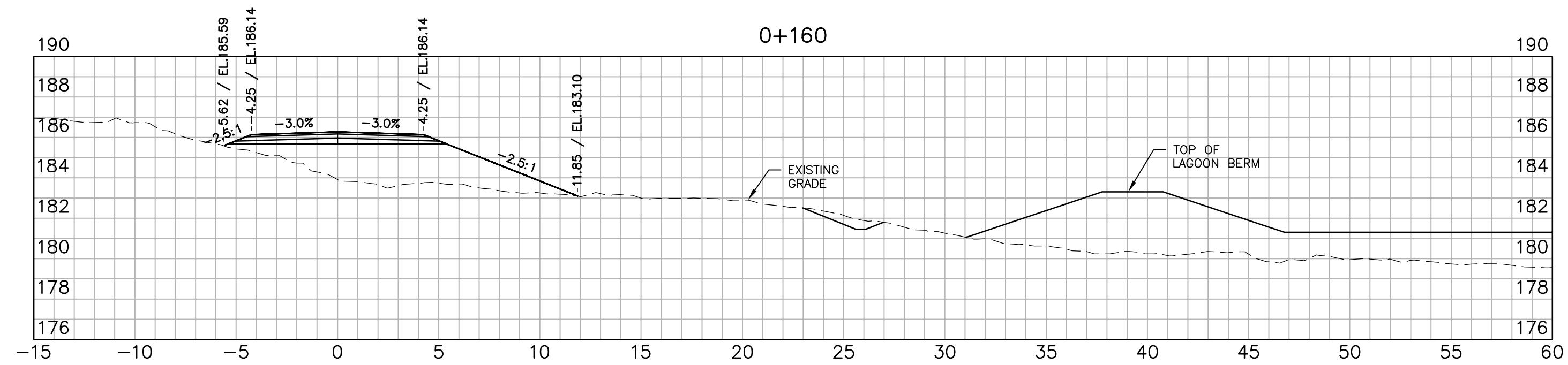
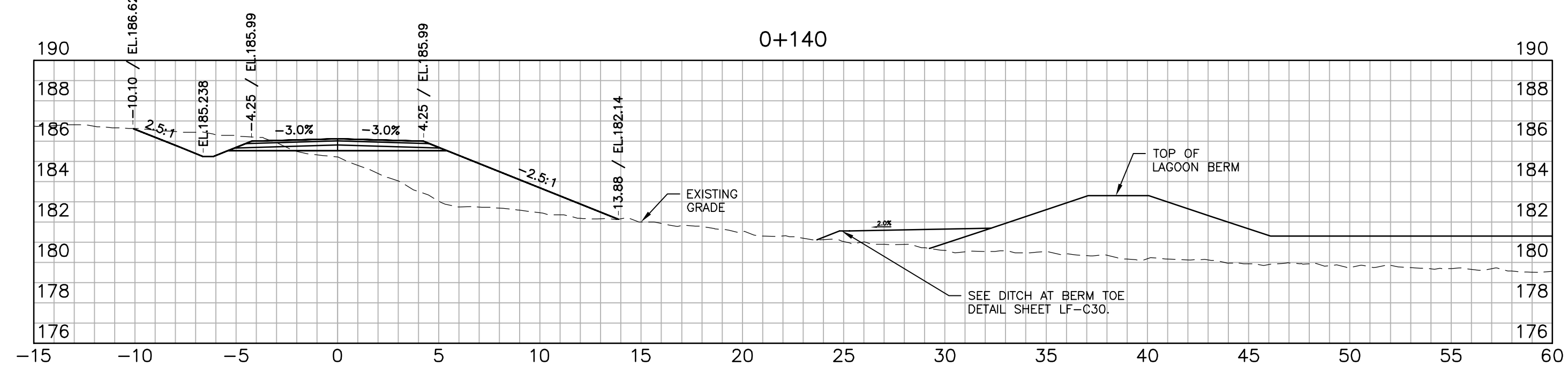
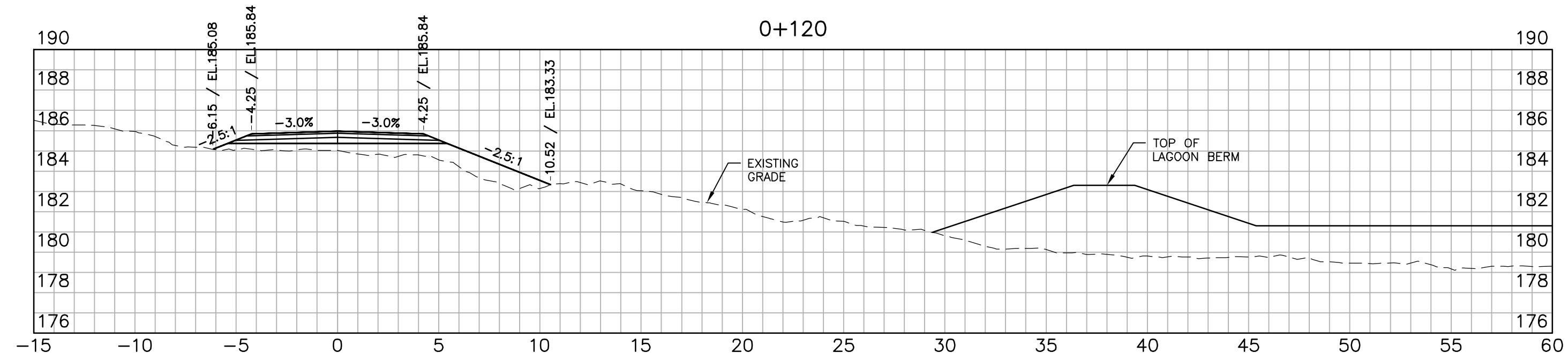
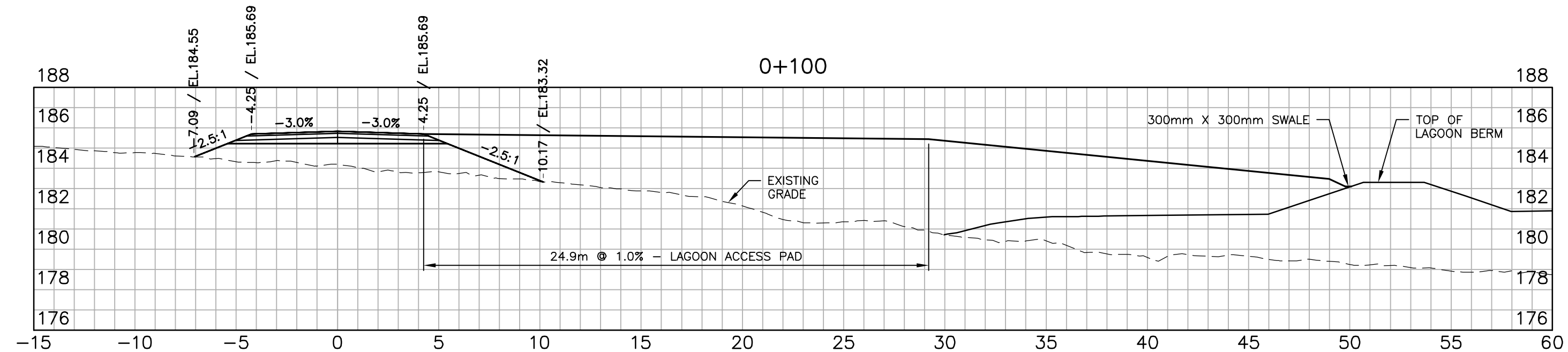
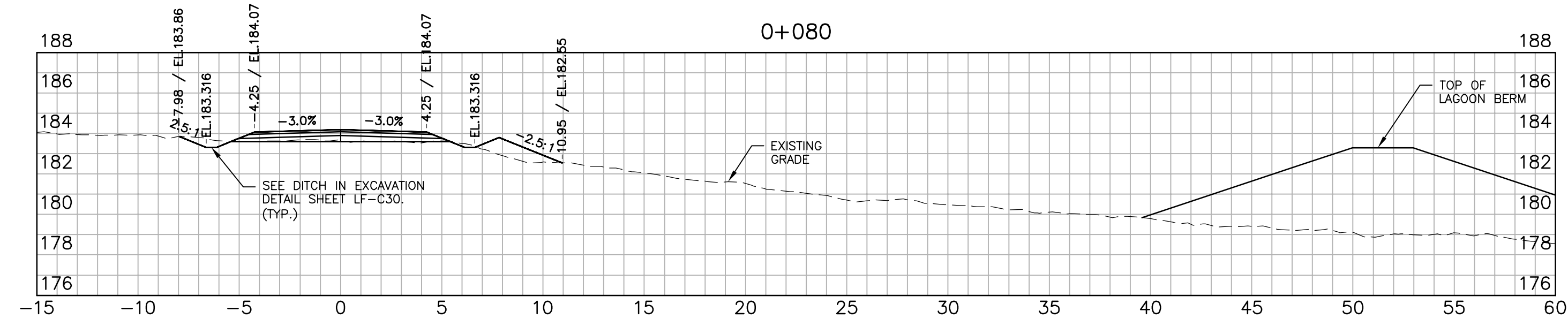
**LEACHATE LAGOONS ROAD**

**PLAN & PROFILE**

PROJECT NO. 19-9543

SHEET NO. **LF-C10**



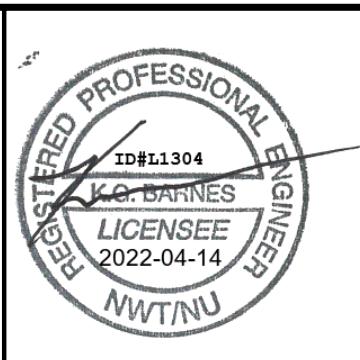


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OF THE NORTHWEST TERRITORIES

**PERMIT NUMBER**  
**P 010**

**DILLON CONSULTING**  
**LIMITED**

2022-04-14



						DESIGN	REVIEWED BY
						C.R.S.	S.D.K
						DRAWN	CHECKED BY
						D.B.C / D.T.M.	K.B.
						DATE	
						JUNE 2021	
2	RELEASED FOR TENDER			2022/04/14	K.B.	SCALE	1:200
1	REVIEW			2021/09/24	K.B.		
No.	ISSUED FOR			DATE	BY		

**CITY OF IQALUIT  
SOLID WASTE LANDFILL**

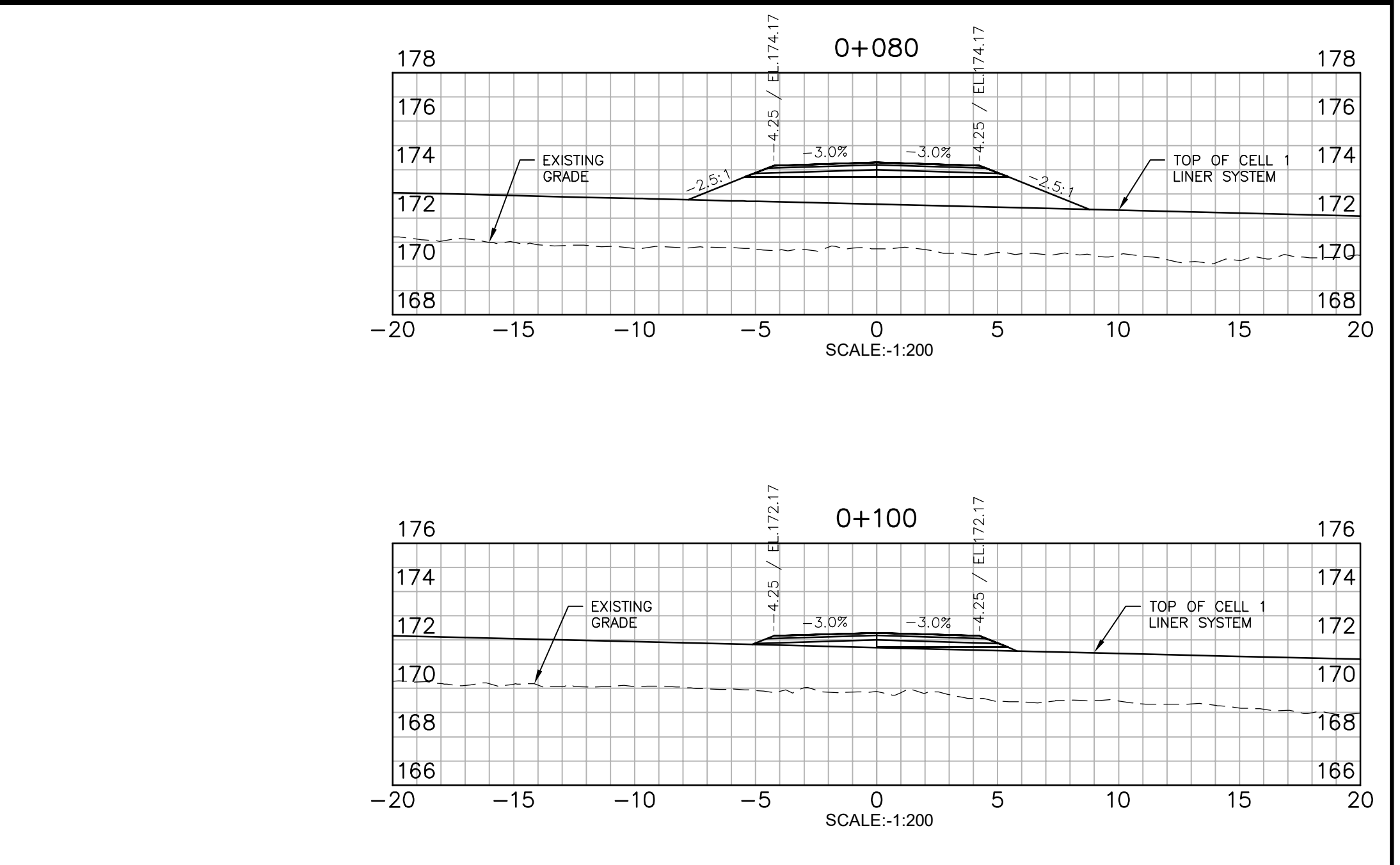
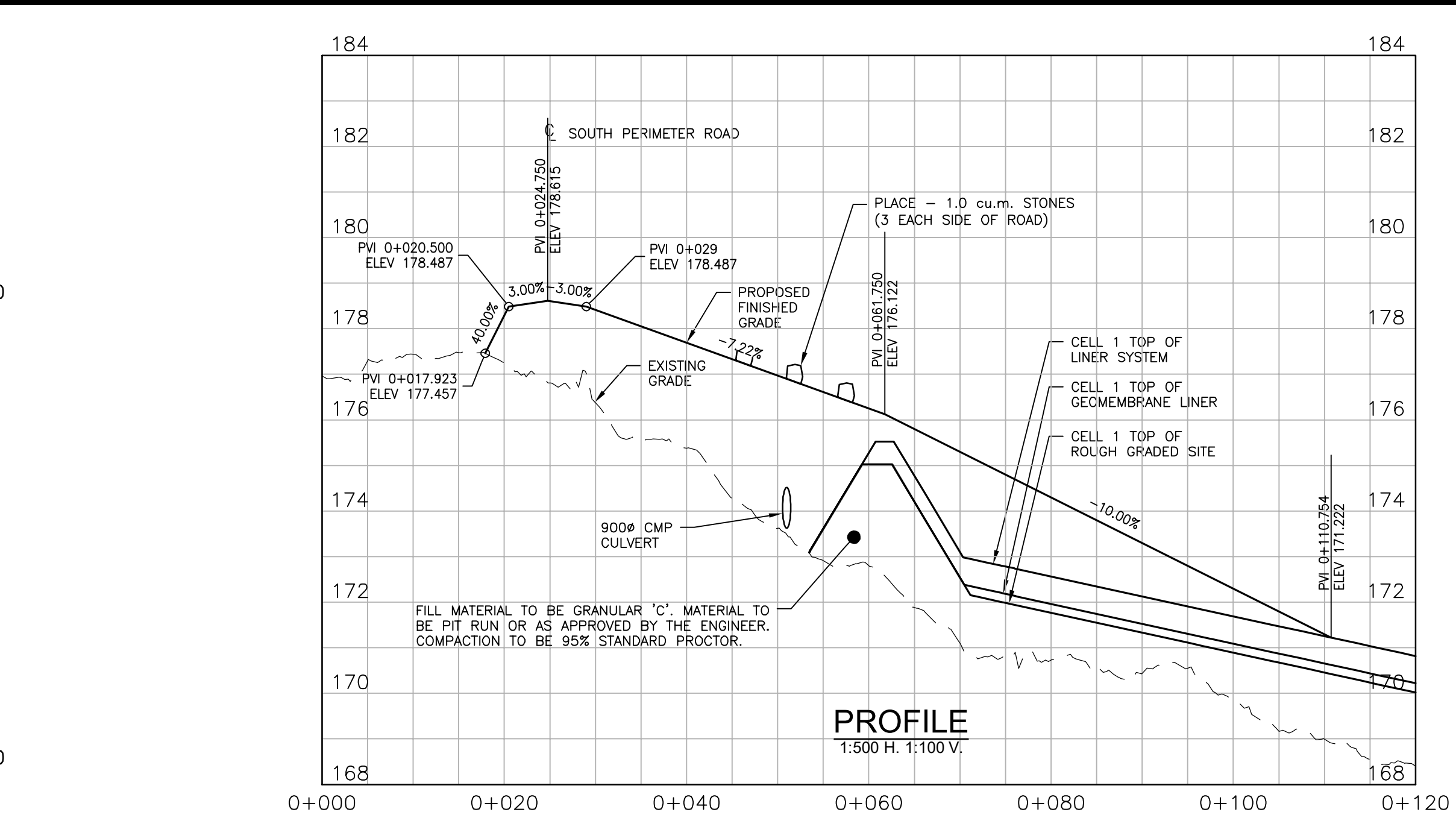
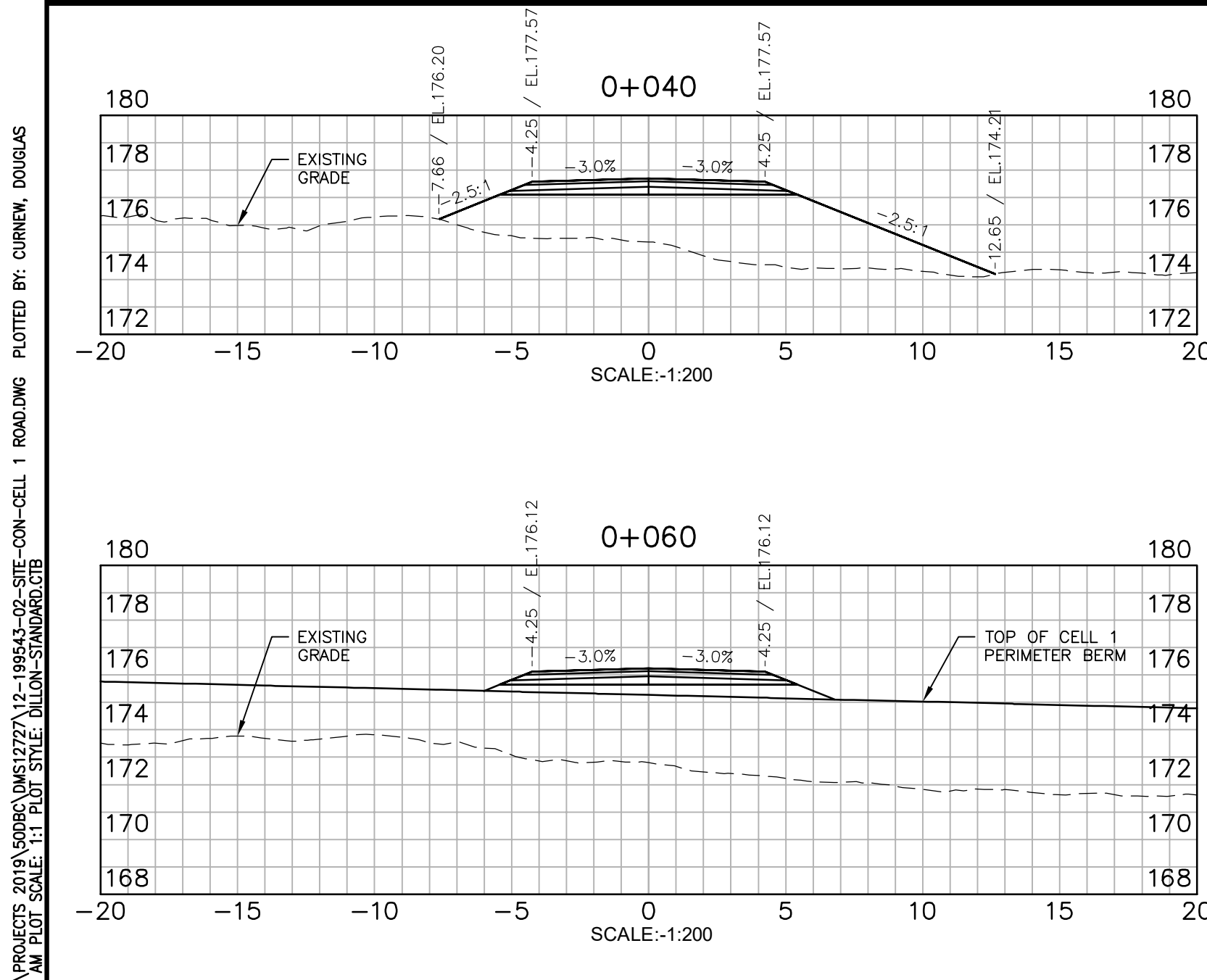
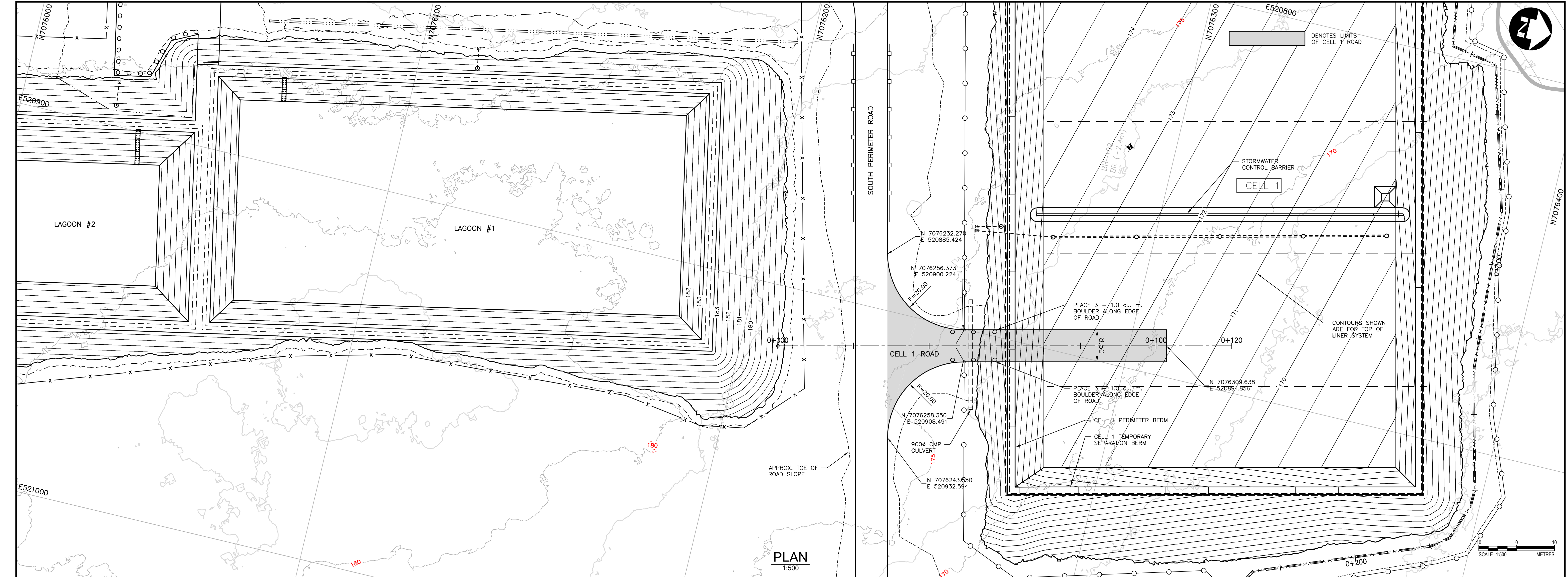
PROJECT NO.

SHEET NO.

**LEACHATE LAGOONS ROAD  
SECTIONS STA. 0+080 TO STA. 0+260**

**LF-C11**





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5	REVIEW	2021/06/25	K.B.
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3	90% REVIEW	2020/01/24	K.B.
2	50% REVIEW	2019/10/23	K.B.
1	30% REVIEW	2019/06/04	K.B.

DESIGN	REVIEWED BY
C.R.S.	S.D.K.

DRAWN	CHECKED BY
D.B.C./D.T.M.	K.B.

DATE	SCALE
MAY 2019	AS NOTED

**CITY OF IQALUIT**

**SOLID WASTE LANDFILL**

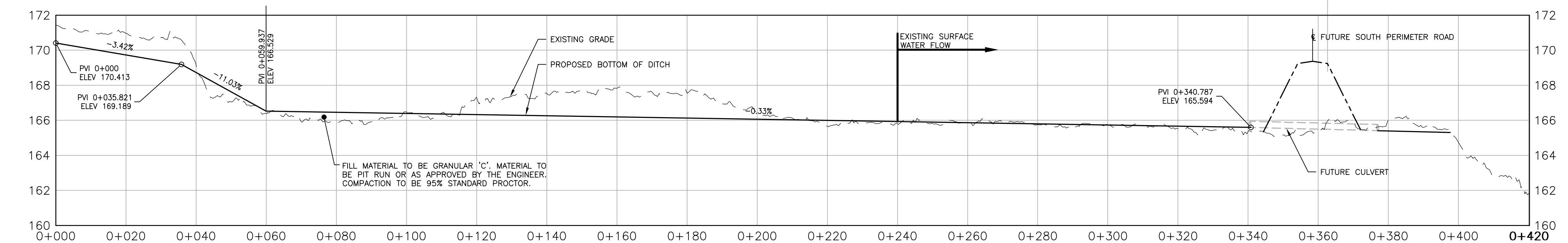
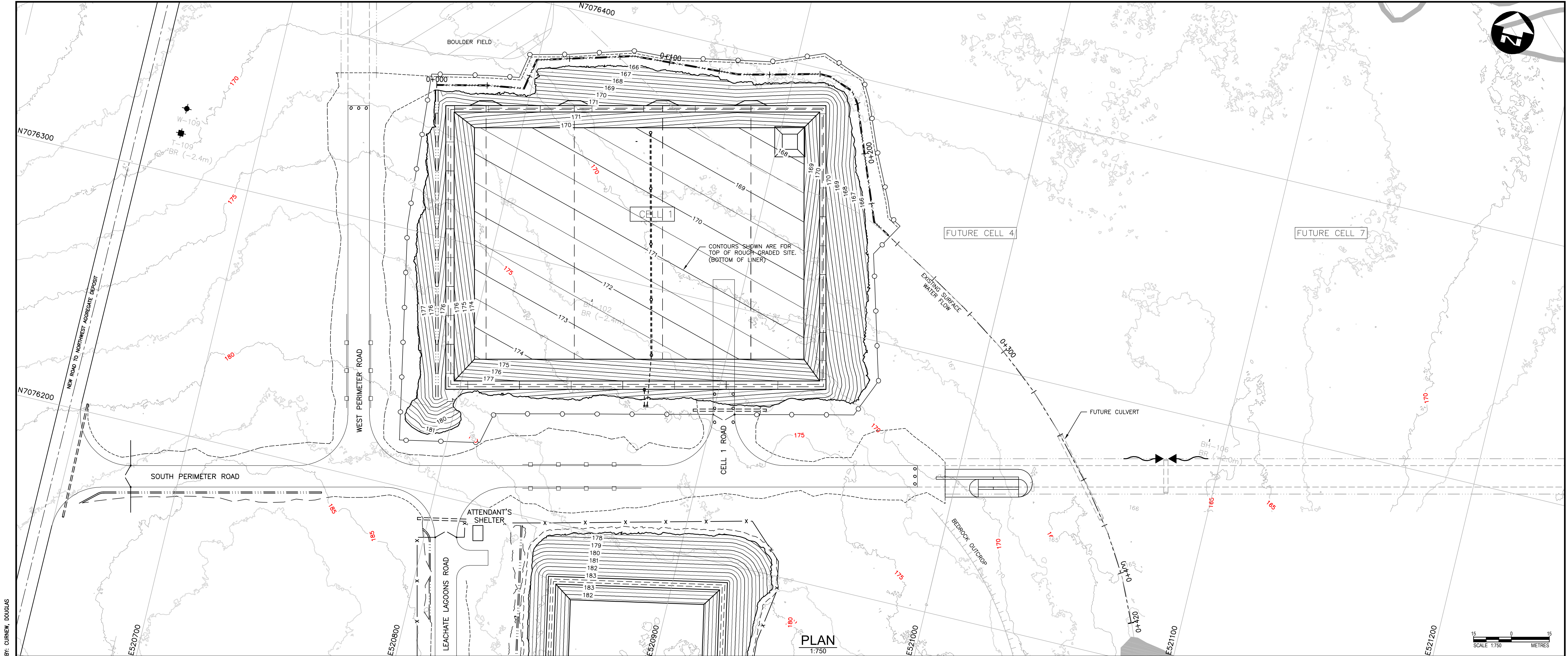
**CELL 1 ROAD**

**PLAN & PROFILE & SECTIONS**

PROJECT NO. **19-9543**

SHEET NO. **LF-C12**





PROFILE  
1:750 H. 1:150 V.

FILENAME: C:\P\WORKING DIRECTORY\PROJECTS 2019\S0080\MS1727\13-14-15-19543-02-SITE-CON-CELL 1 DITCH.DWG PLOTTED BY: CURNEW, DOUGLAS  
PLOT DATE: 2022-04-14 10:30:33 AM PLOT SCALE: 1:1 PLOT STYLE: DILLON-STANDARD.DTB

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**PERMIT NUMBER P 010**

**DILLON CONSULTING LIMITED**

2022-04-14

7	RELEASED FOR TENDER	2022/04/14	K.B.	DESIGN	C.R.S.	REVIEWED BY	S.D.K.
6	REVIEW	2021/09/24	K.B.	DRAWN	D.B.C./D.T.M.	CHECKED BY	K.B.
5	REVIEW	2021/06/25	K.B.	DATE	MAY 2019		
4	100% ISSUED FOR APPROVAL	2020/10/30	K.B.	SCALE	AS NOTED		
3	90% REVIEW	2020/01/24	K.B.				
2	50% REVIEW	2019/10/23	K.B.				
1	30% REVIEW	2019/06/04	K.B.				
No.	ISSUED FOR		DATE	BY			

**CITY OF IQALUIT**

**SOLID WASTE LANDFILL**

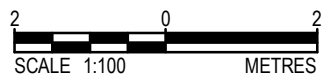
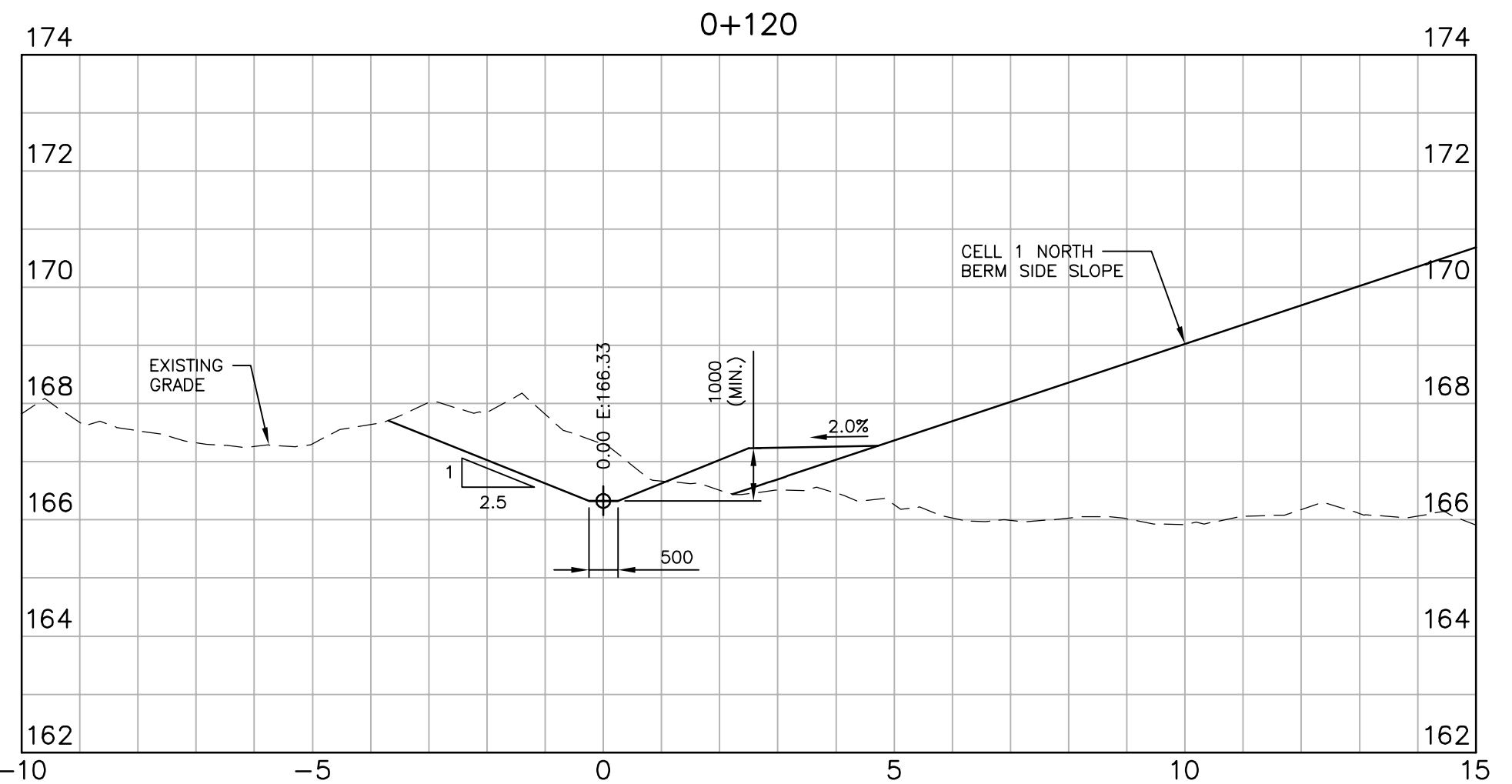
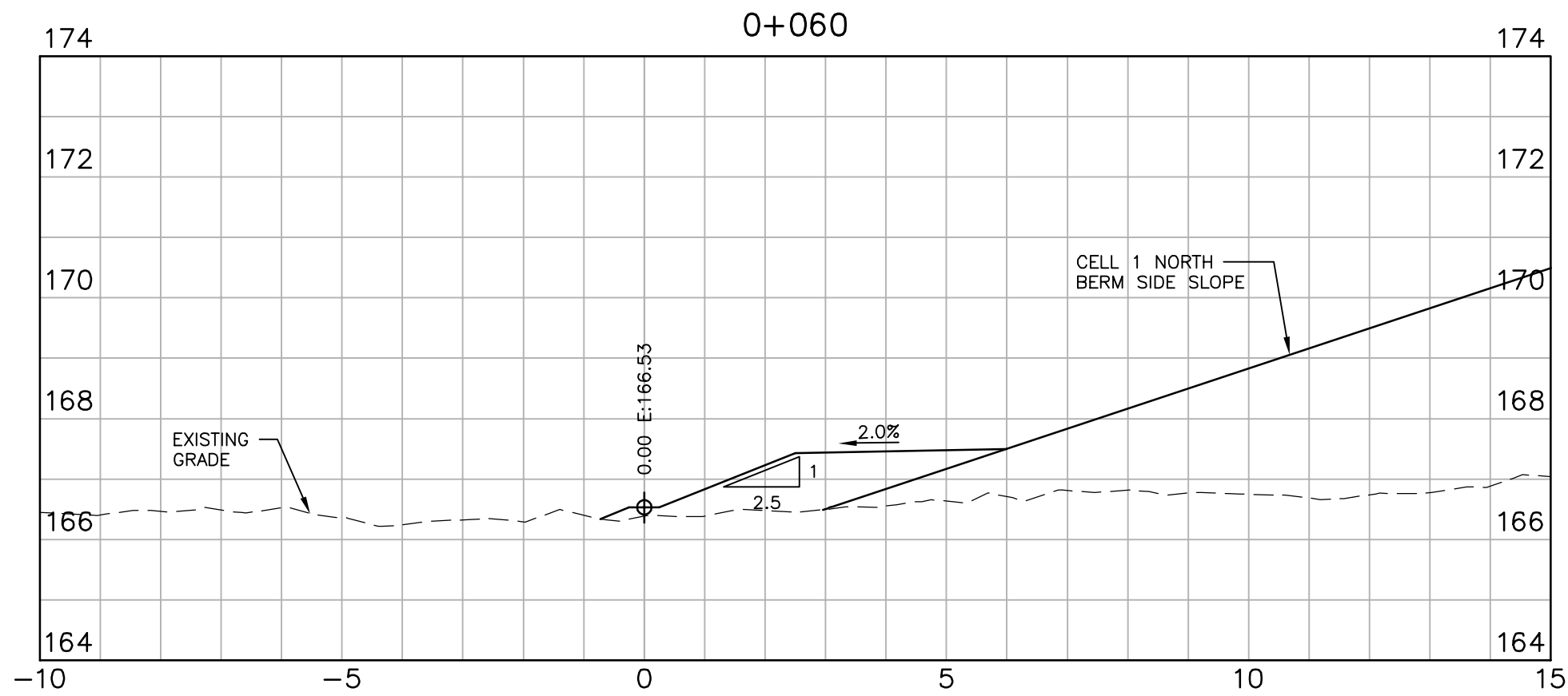
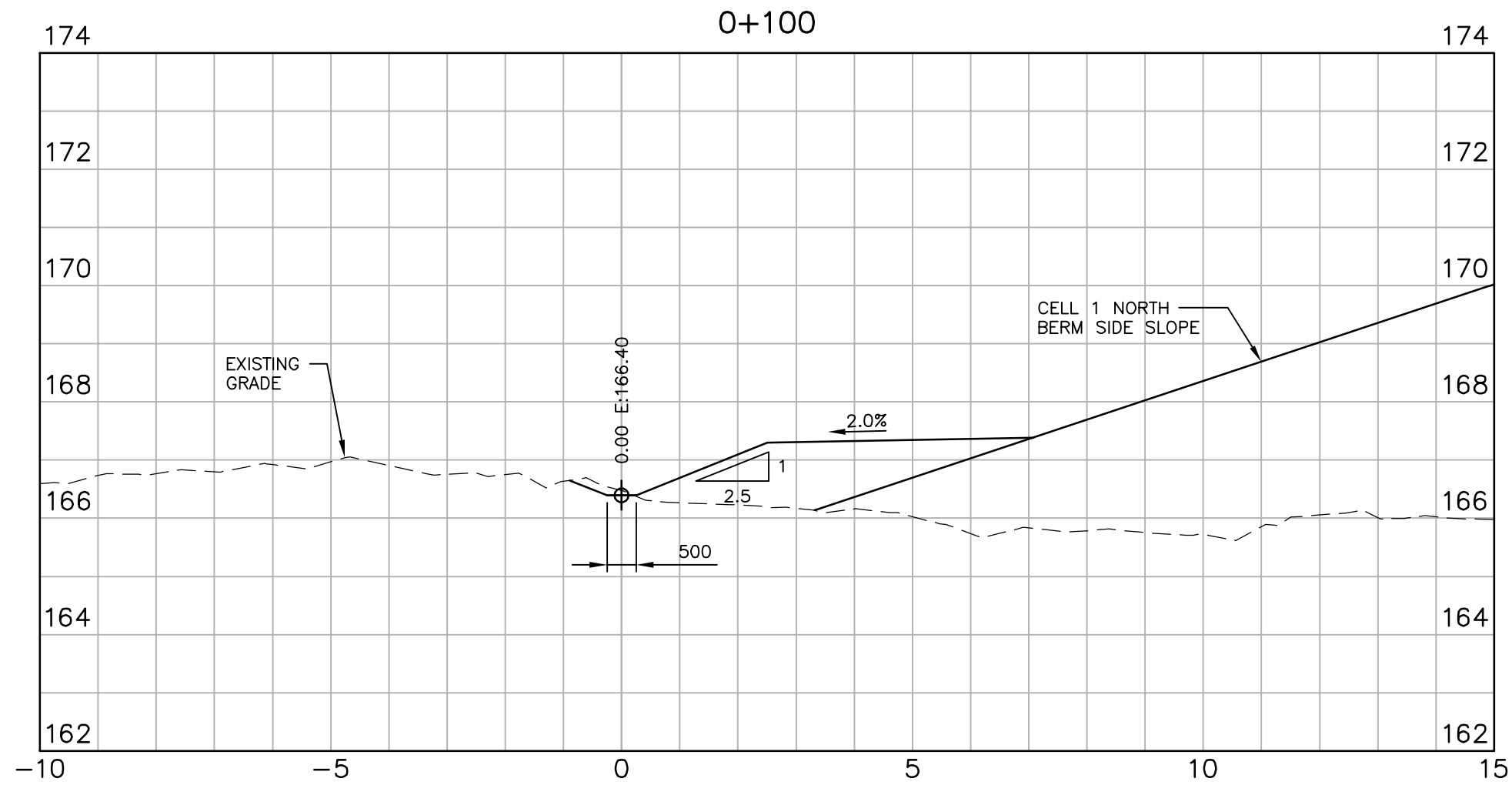
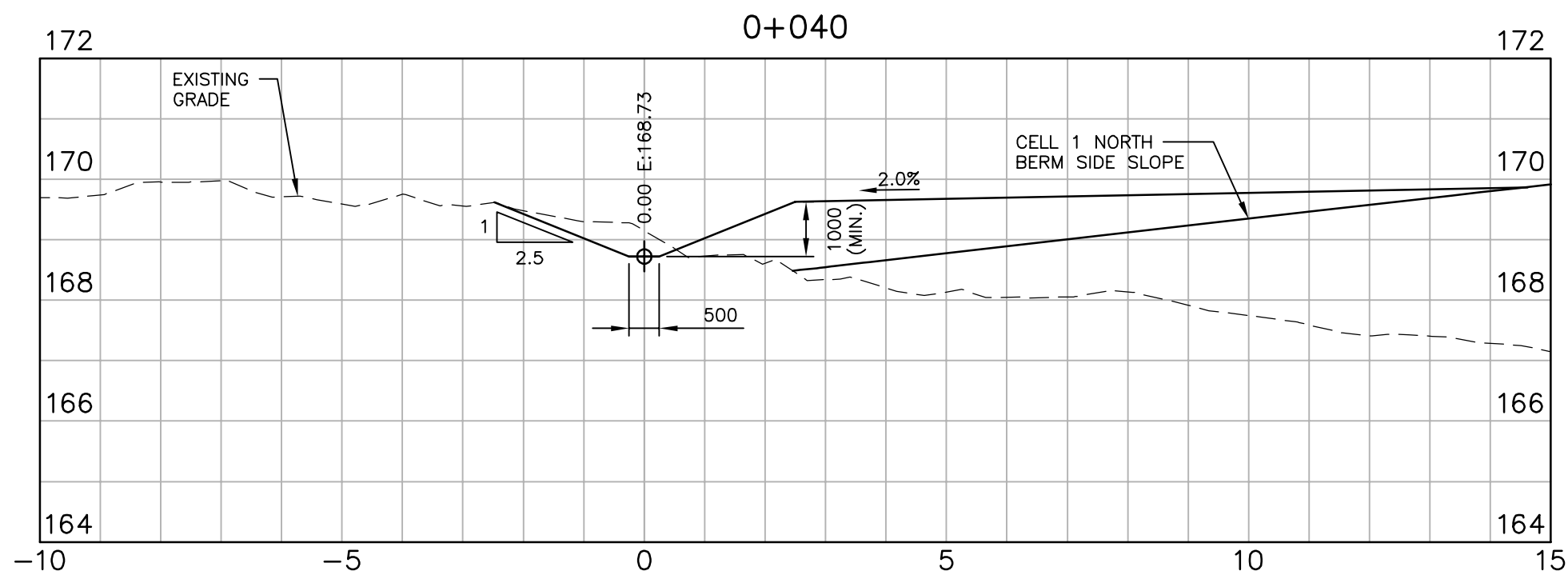
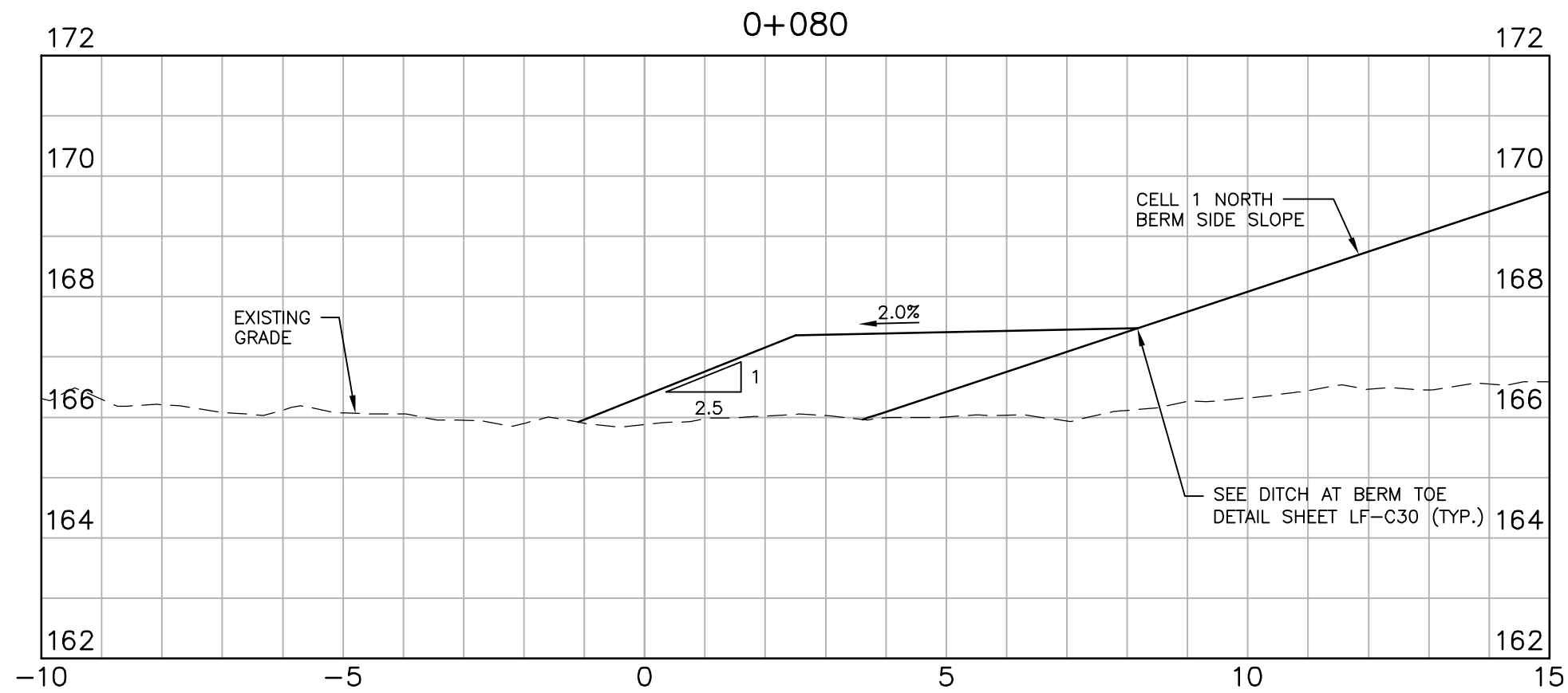
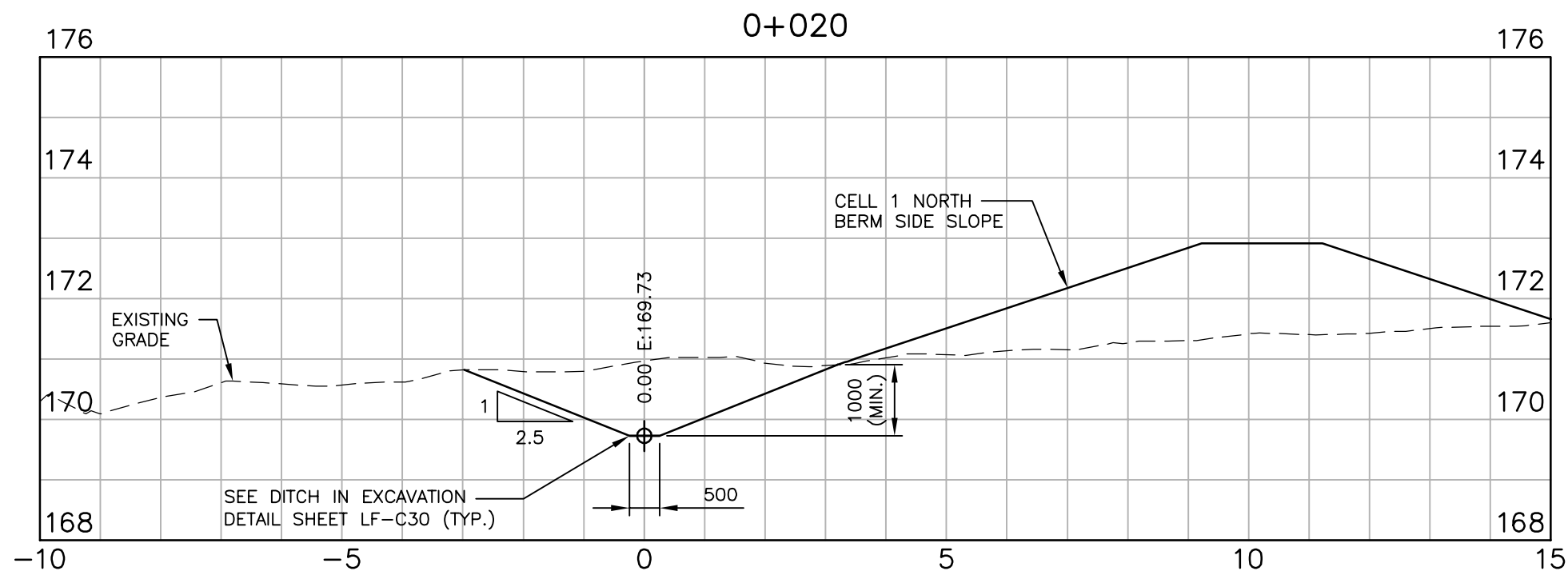
**CELL 1 DITCH - PLAN & PROFILE**

PROJECT NO. 19-9543

SHEET NO. **LF-C13**



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PLOT DATE: 2022-04-14 10:31:32 AM PLOT SCALE: 1:1 PLOT STYLE: DILLON-STANDARD.DTB

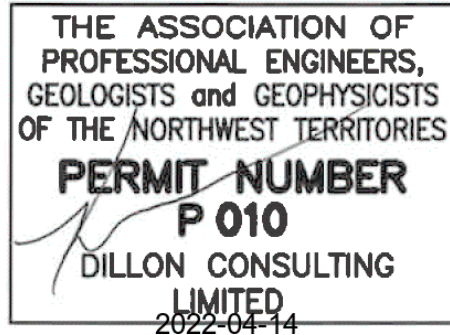
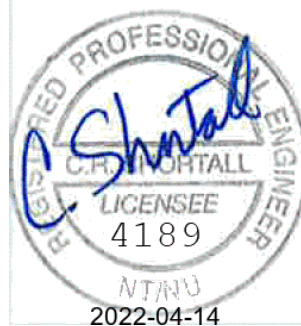


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DESIGN	C.R.S.	REVIEWED BY	S.D.K.
DRAWN	D.B.C./D.T.M.	CHECKED BY	K.B.
DATE	JUNE 2021	SCALE	1:100
2	RELEASED FOR TENDER	2022/04/14	K.B.
1	REVIEW	2021/09/24	K.B.
No.	ISSUED FOR	DATE	BY

CITY OF IQALUIT  
SOLID WASTE LANDFILL

PROJECT NO.

19-9543

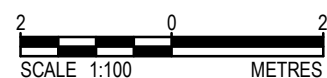
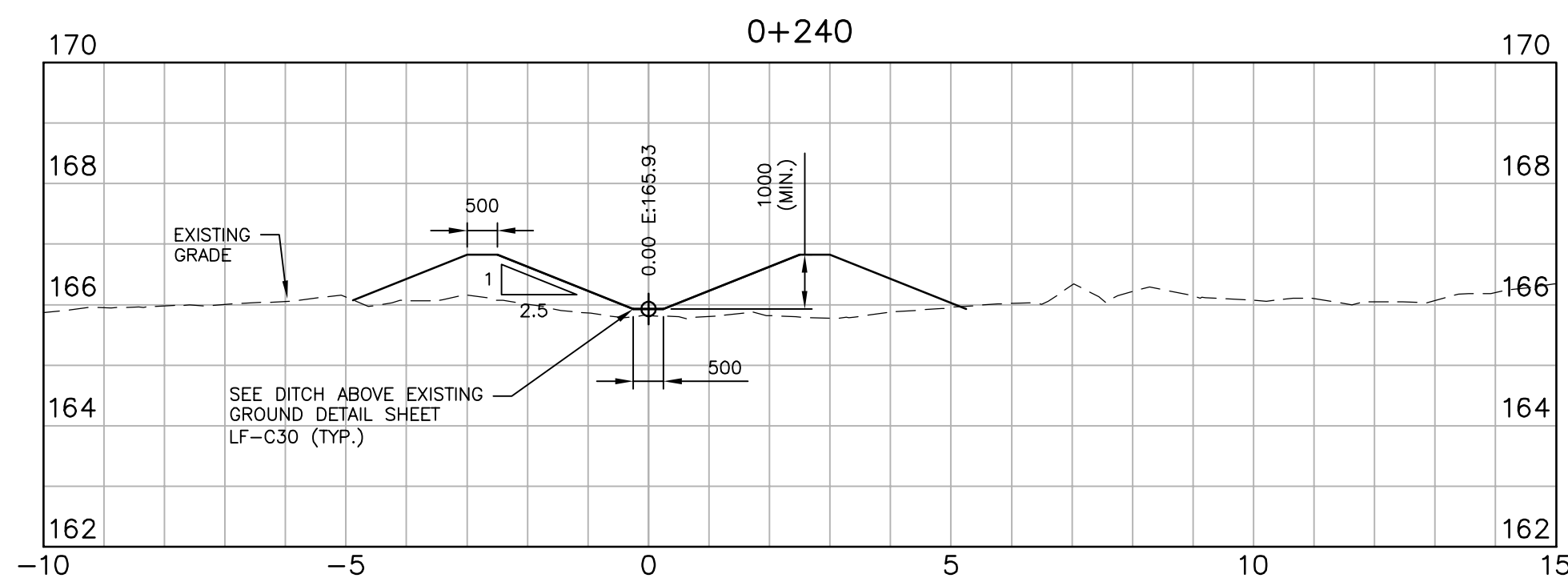
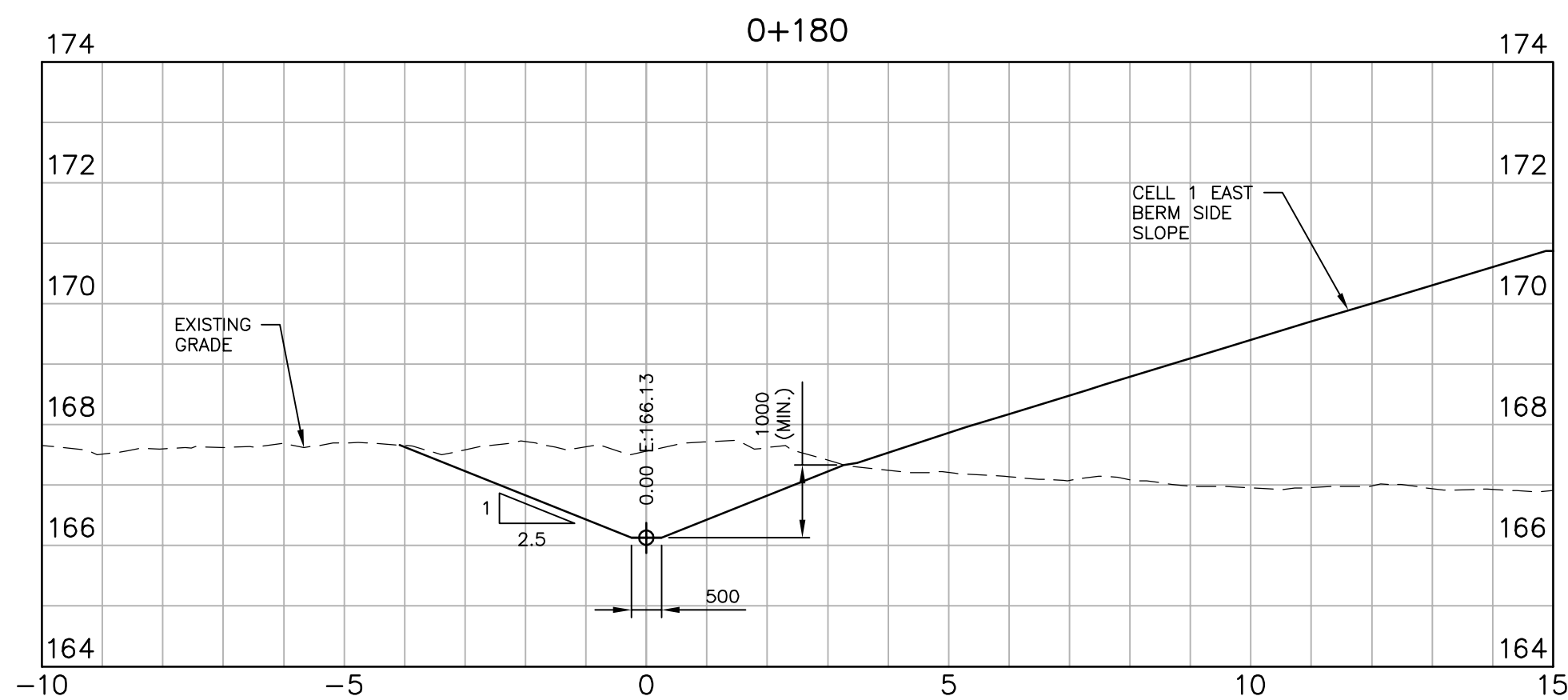
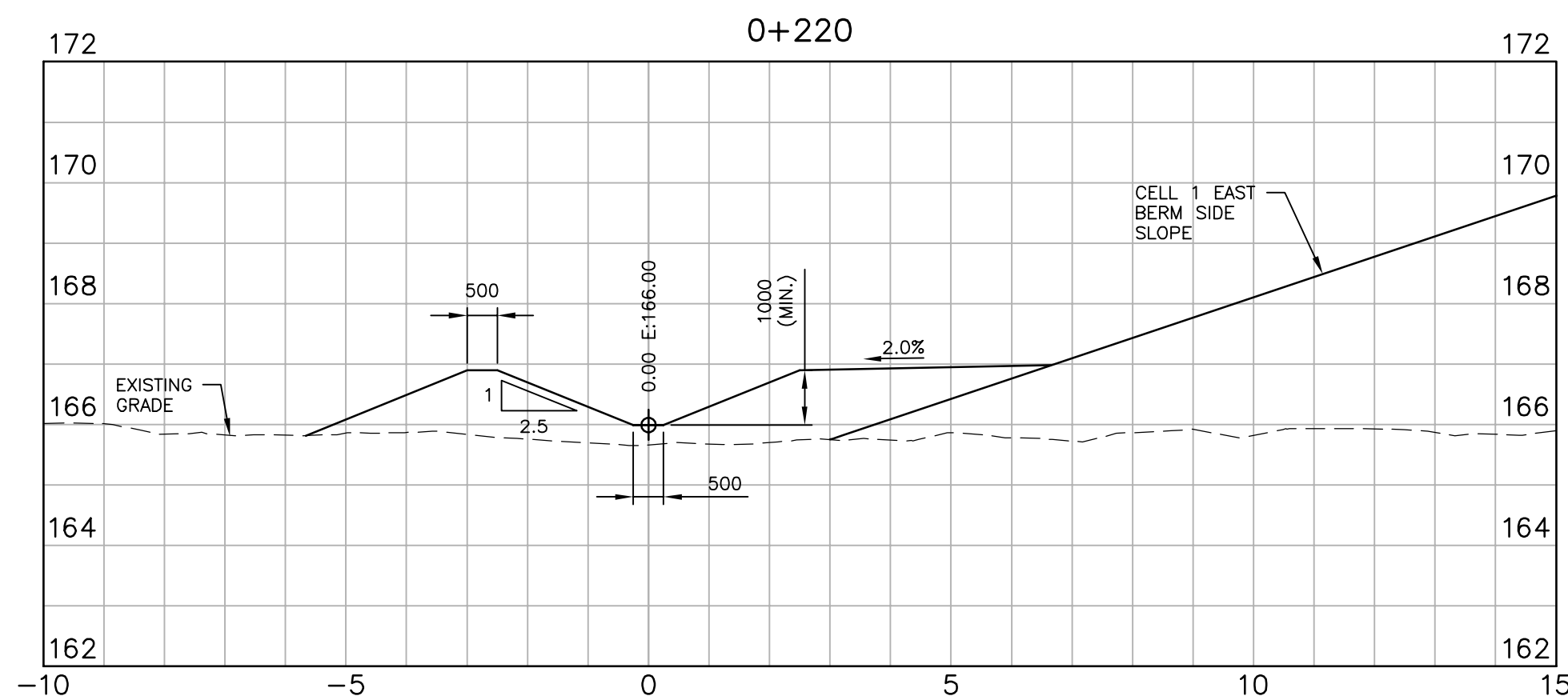
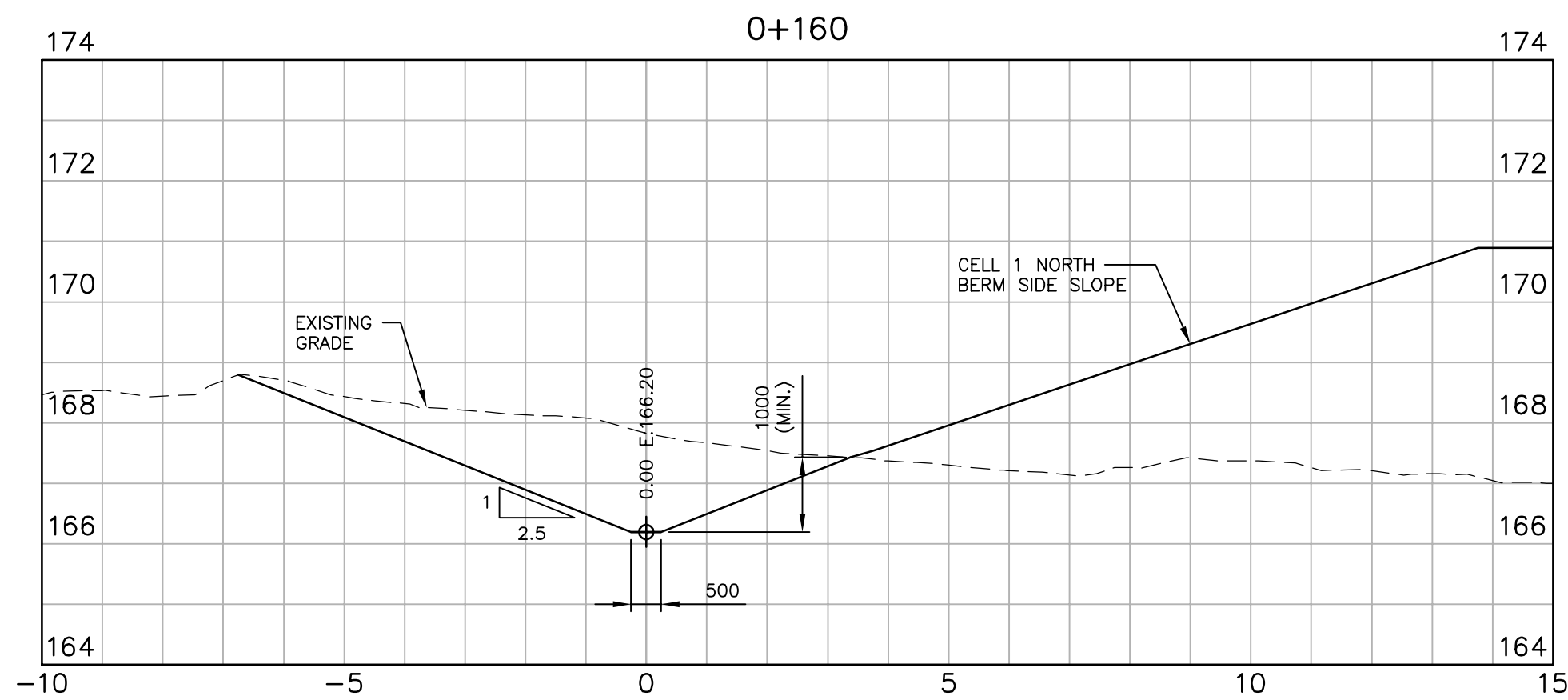
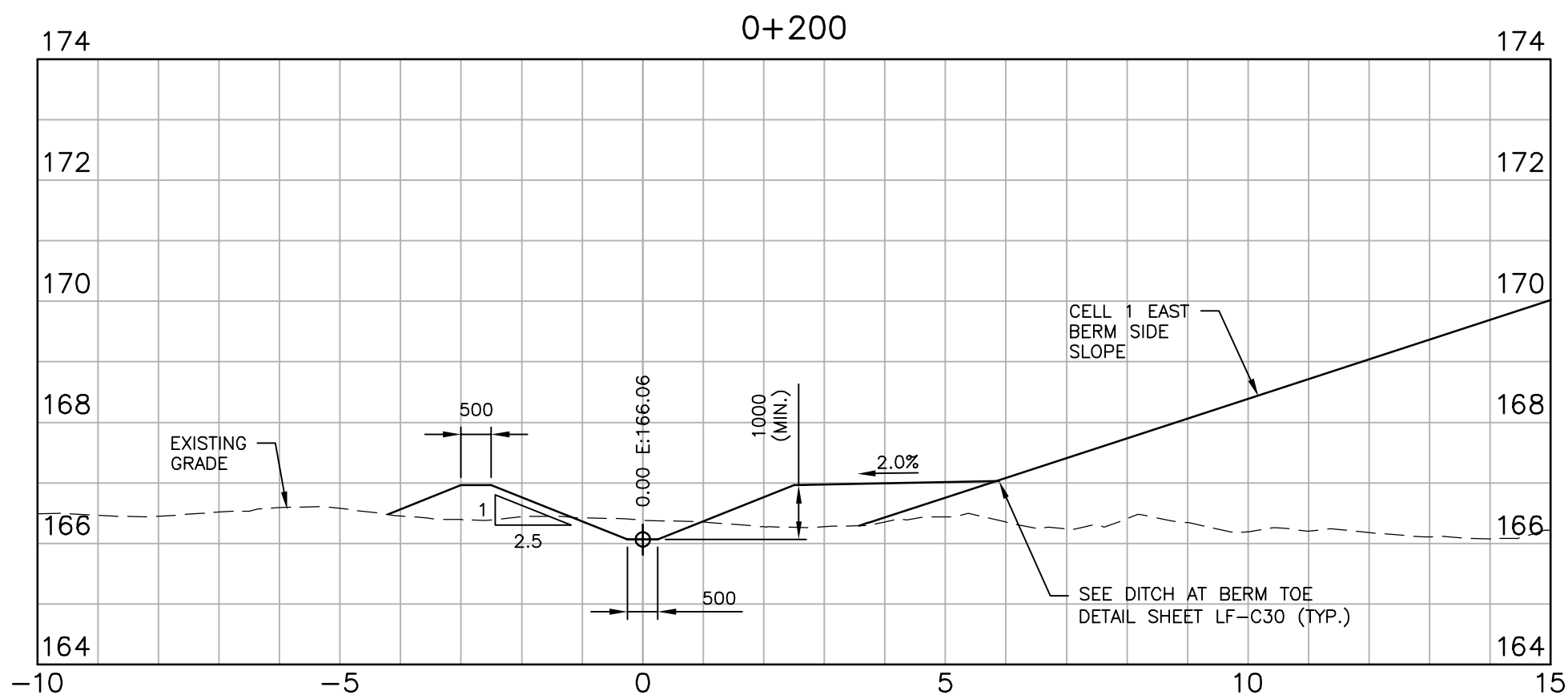
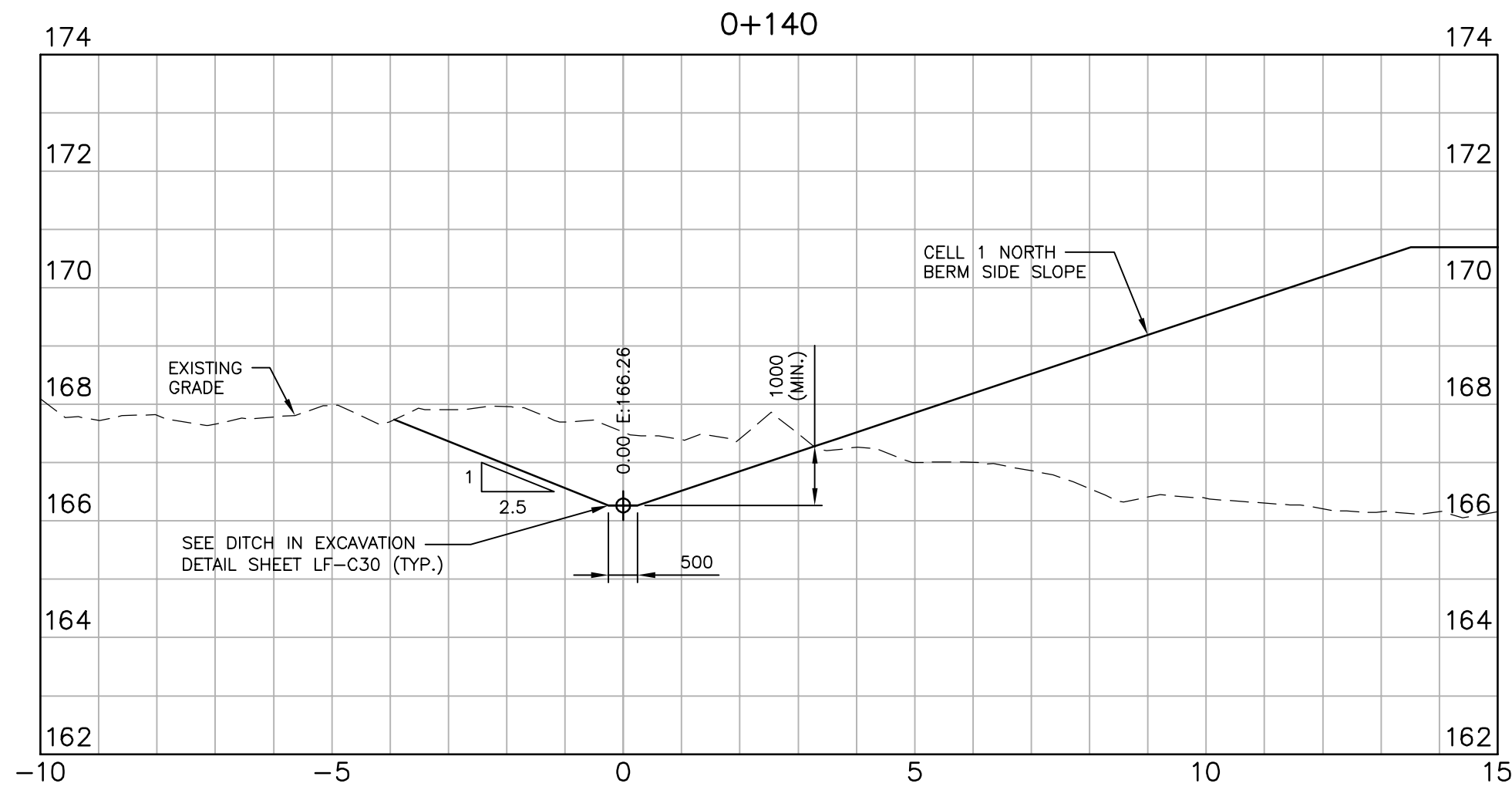
SHEET NO.

LF-C14

CELL 1 DITCH SECTIONS  
0+020 TO 0+120



FILENAME: C:\PW WORKING DIRECTORY\PROJECTS 2019\30080\0MS1727\13-14-15-19543-02-SITE-CON-CELL 1 DITCH.DWG PLOTTED BY: CURNEW, DOUGLAS  
PLOT DATE: 2022-04-14 10:32:29 AM PLOT SCALE: 1:1 PLOT STYLE: DILLON-STANDARD.DTB

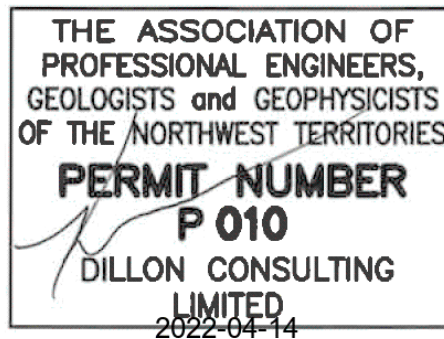
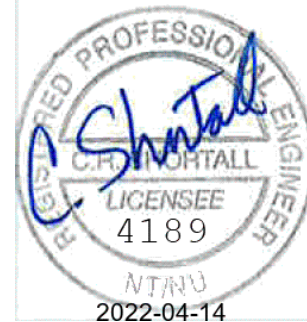


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2	RELEASED FOR TENDER	2022/04/14	K.B.
1	REVIEW	2021/09/24	K.B.
No.	ISSUED FOR	DATE	BY

DESIGN	C.R.S.	REVIEWED BY	S.D.K.
DRAWN	D.B.C./D.T.M.	CHECKED BY	K.B.
DATE	JUNE 2021	SCALE	1:100

CITY OF IQUALUIT  
SOLID WASTE LANDFILL

PROJECT NO.

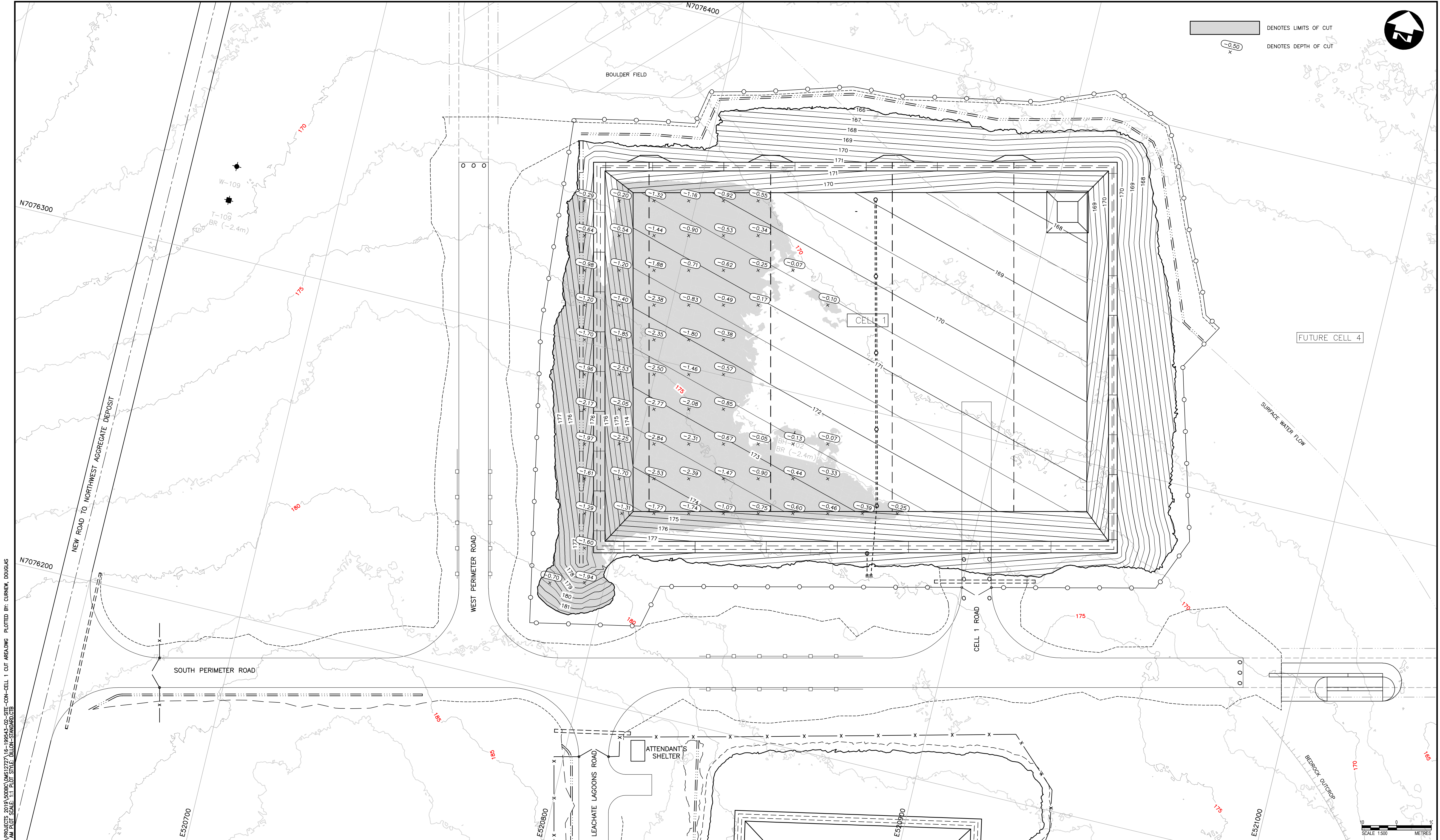
19-9543

SHEET NO.

LF-C15

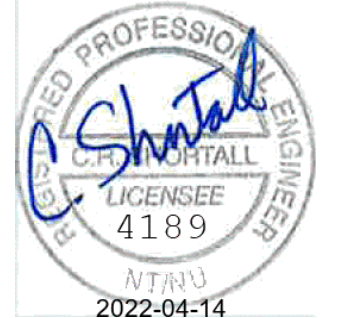
CELL 1 DITCH SECTIONS  
0+140 TO 0+240





FILENAME: C:\PW WORKING DIRECTORY\PROJECTS 2019\30080\0MS1727\16-199543-02-SITE-CON-CELL 1 CUT AREADING PLOTTED BY: CURNEW DOUGLAS  
PLOT DATE: 2022-04-14 @ 10:55:39 AM PLOT SCALE: 1:1 PLOT STYLE: DILLON-STANDARD.DWT

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OF THE NORTHWEST TERRITORIES  
**PERMIT NUMBER  
P 010**  
DILLON CONSULTING  
LIMITED  
2022-04-14



DESIGN	C.R.S.	REVIEWED BY	S.D.K.
DRAWN	D.B.C./D.T.M.	CHECKED BY	K.B.
DATE	JUNE 2021	SCALE	1:500 (22x34) 1:1000 (11x17)
2	RELEASED FOR TENDER	2022/04/14	K.B.
1	REVIEW	2021/09/24	K.B.
No.	ISSUED FOR	DATE	BY

CITY OF IQALUIT SOLID WASTE LANDFILL	PROJECT NO. 19-9543
CELL 1 - CUT AREA (FOR INFORMATION ONLY)	SHEET NO. LF-C16





**SCALE: 1:100**

BR (-2.4m)

— ACTIVE AREA PIPE

## BERM BUMPOUT DETAIL

**SCALE: 1:100**

BR (-2.4m)

— ACTIVE AREA PIPE

NOTE:

1. ALL EARTHWORKS TO BE IN ACCORDANCE WITH EXP GEOTECHNICAL REPORT U.N.O.
2. LINER AND GEOTEXTILE TO BE CERTIFIED FOR ARCTIC INSTALLATIONS.
3. ESTIMATED SETTLEMENT OVER THE LIFE OF THE CELL IS UP TO 200mm. CONTRACTOR SHALL SUBMIT LINER INSTALLATION PLAN C/W THERMAL AND SETTLEMENT COMPENSATION PROTOCOLS. AT A MINIMUM, FOLDS SHALL BE INSTALLED TO PREVENT STRETCHING OR TEARING OF THE LINER.
4. SUBGRADE SHALL BE PROOFROLLED PRIOR TO PLACEMENT OF GRAVELS, UNDER SUPERVISION OF GEOTECHNICAL ENGINEER.



LEACHATE COLLECTION SUMP.  
(SEE SECTION B SHEET LF-C29)

— ANCHOR TRENCH. (SEE TEMPORARY CELL  
SEPARATION BERM SECTION SHEET LF-C20)

FUTURE CELL 4

SEE TEMPORARY CELL SEPARATION  
BERM SECTION SHEET LF-C29

SURFACE WATER FLOW

SEE TYPICAL PERIMETER BERM  
SECTION SHEET LF-C29

WEST PERIMETER ROAD

SOUTH PERIMETER ROAD

ATTENDANT

Iqaluit  
  
 ᐃᓕᓕᓕᓕᓕ



**DILLON**  
CONSULTING

										DESIGN	REVIEWED BY
										C.R.S.	S.D.K
7	RELEASED FOR TENDER					2022/04/14	K.B.			DRAWN	CHECKED BY
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3	90% REVIEW					2020/01/24	K.B.				1:1000 (11x17)
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1	30% REVIEW					2019/06/04	K.B.				
No.	ISSUED FOR					DATE	BY				

**CITY OF IQALUIT  
SOLID WASTE LANDFILL**

---

**CELL 1 - TOP OF ROUGH GRADED SITE**

19.9543

ET NO.

**F-C17**

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LIMITED  
2022-04-14

THE ASSOCIATION OF  
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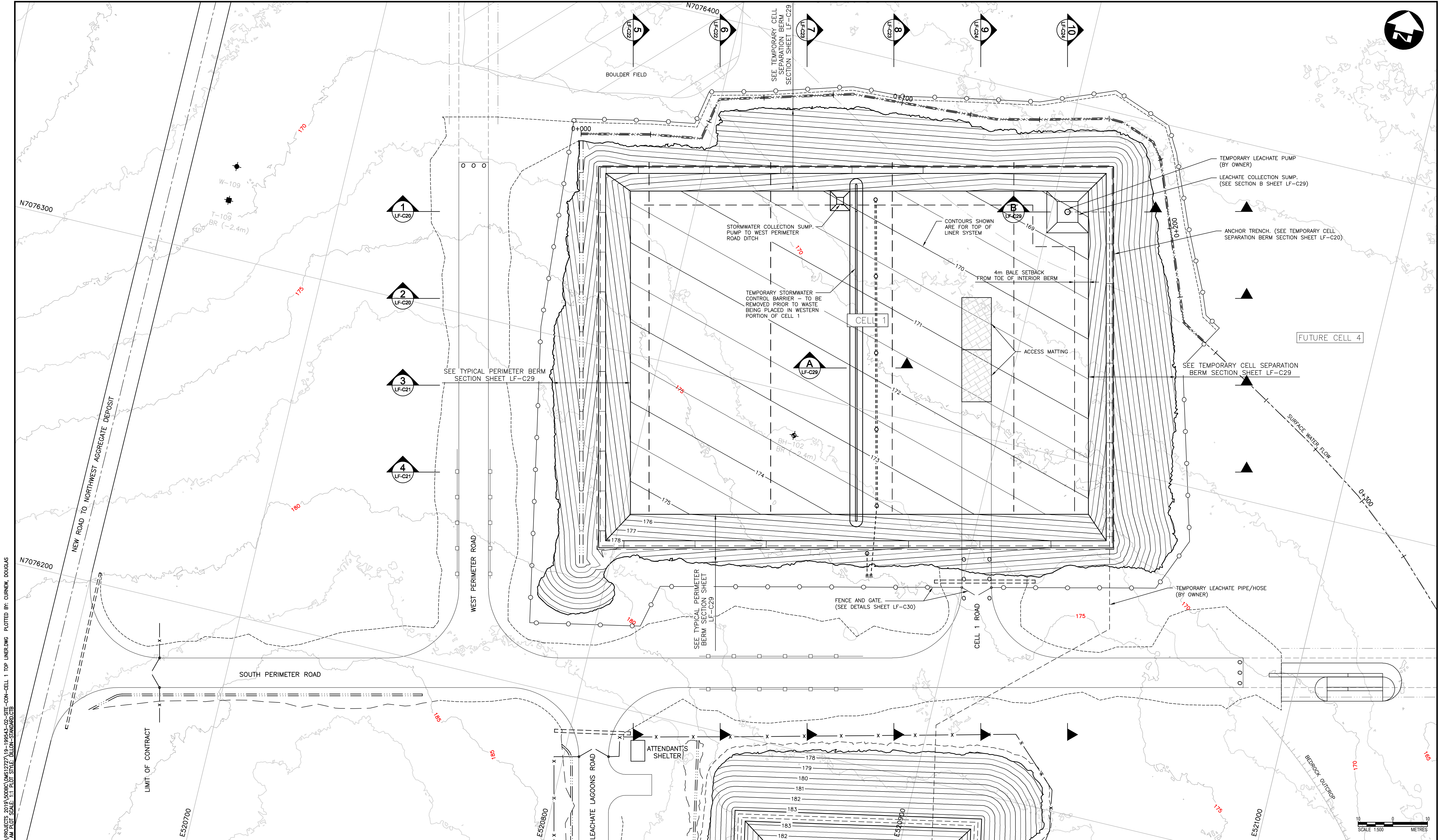
**PERMIT NUMBER**  
**P 010**

DILLON CONSULTING  
LIMITED  
2022-04-14









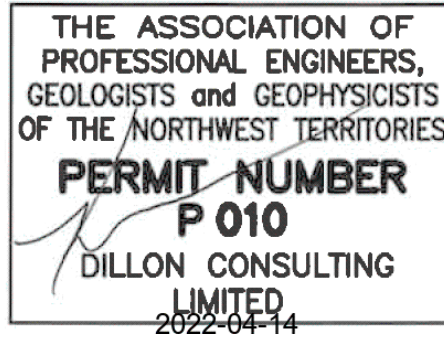
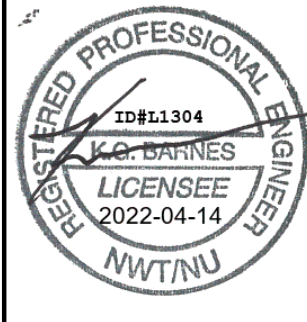
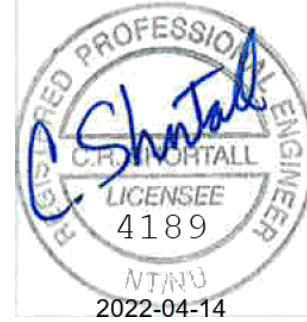
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PLOT DATE: 2022-04-14 10:43:37 AM PLOT SCALE: 1:1 PLOT STYLE: DILLON-STANDARD.DTB

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1	30% REVIEW	2019/06/04	K.B.

DESIGN C.R.S.	REVIEWED BY S.D.K.
DRAWN D.B.C./ D.T.M.	CHECKED BY K.B.
DATE MAY 2019	
SCALE 1:500 (22x34) 1:1000 (11x17)	

CITY OF IQALUIT  
SOLID WASTE LANDFILL

CELL 1 - TOP OF LINER SYSTEM

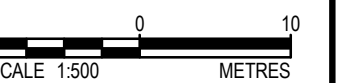
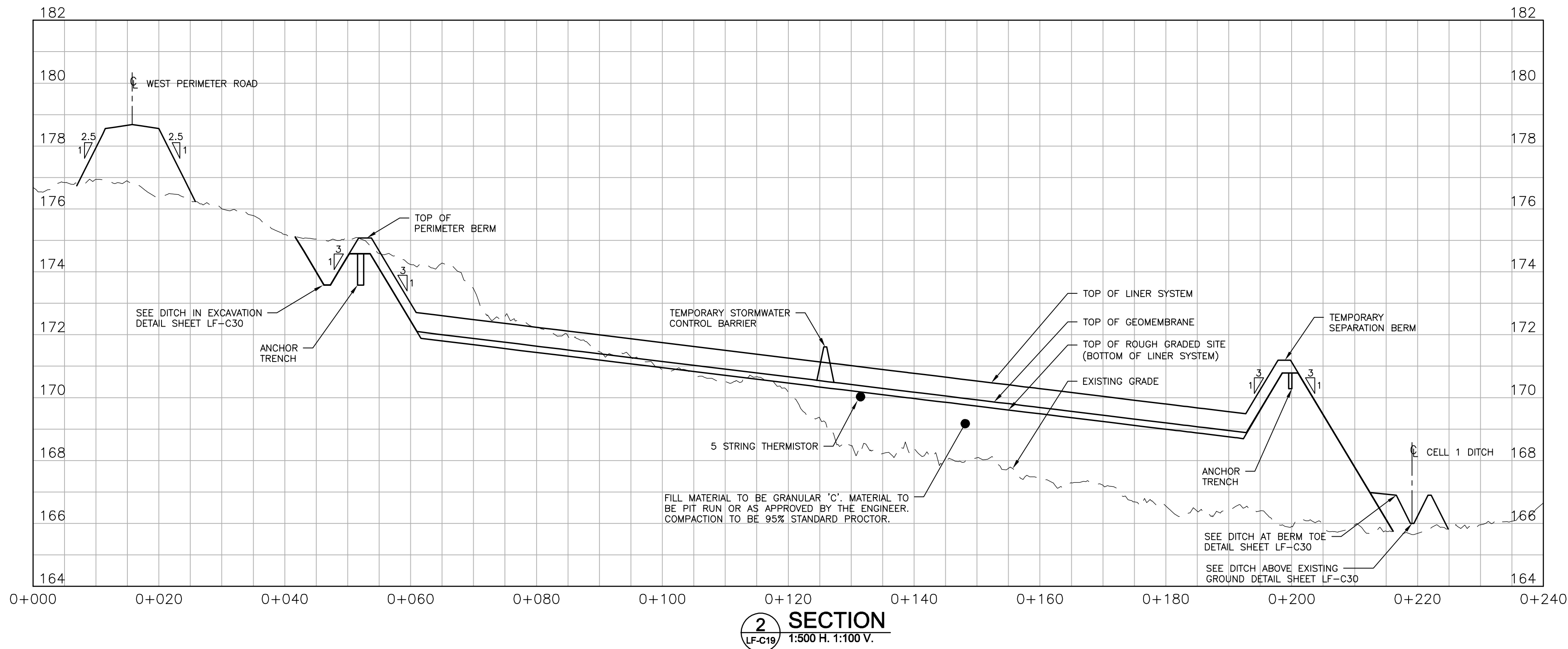
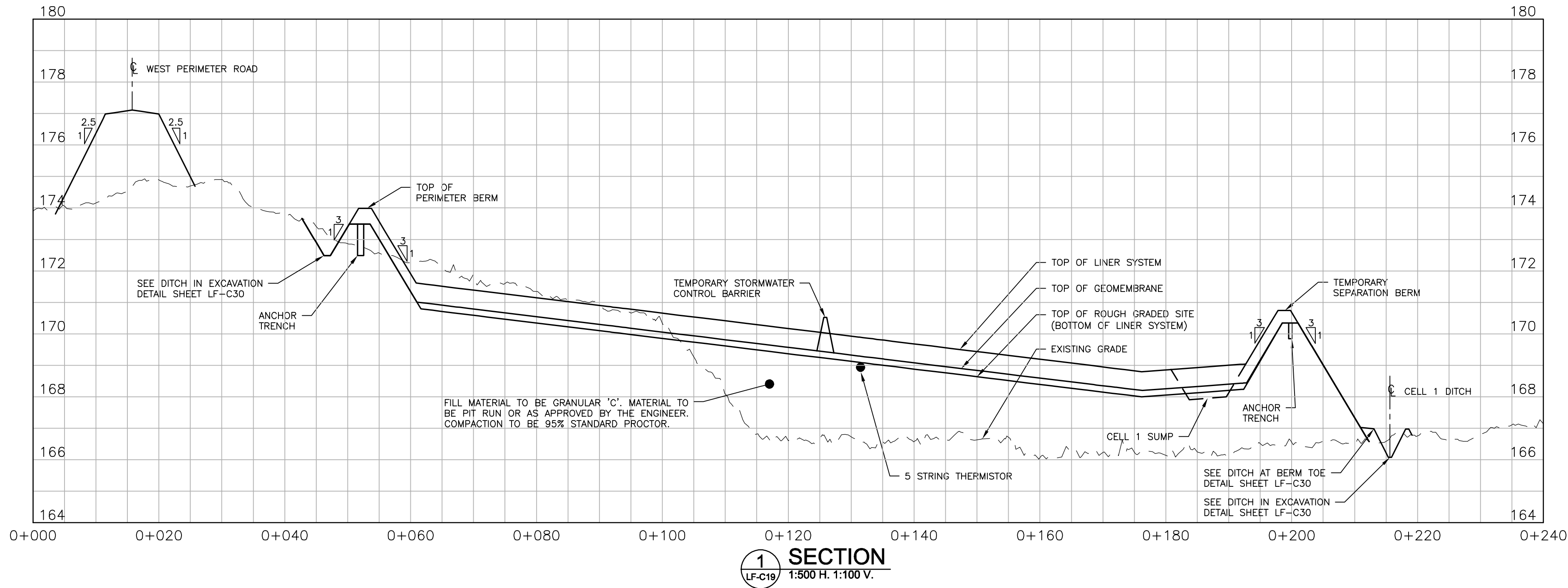
PROJECT NO.

19-9543

SHEET NO.

LF-C19



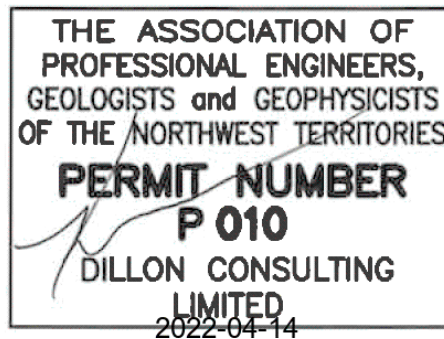
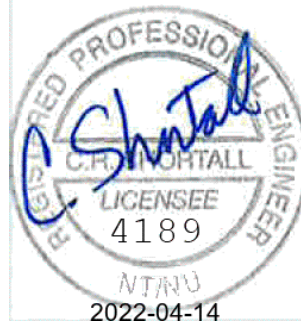


#### Conditions of Use

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than those intended at the time of its preparation without prior  
written permission from Dillon Consulting Limited.



DESIGN	C.R.S.	REVIEWED BY	S.D.K.
DRAWN	D.B.C./D.T.M.	CHECKED BY	K.B.
DATE	JUNE 2021	SCALE	1:500 (22x34) 1:1000 (11x17)
2	RELEASED FOR TENDER	2022/04/14	K.B.
1	REVIEW	2021/09/24	K.B.
No.	ISSUED FOR	DATE	BY

CITY OF IQALUIT  
SOLID WASTE LANDFILL

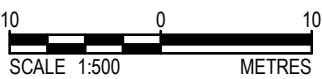
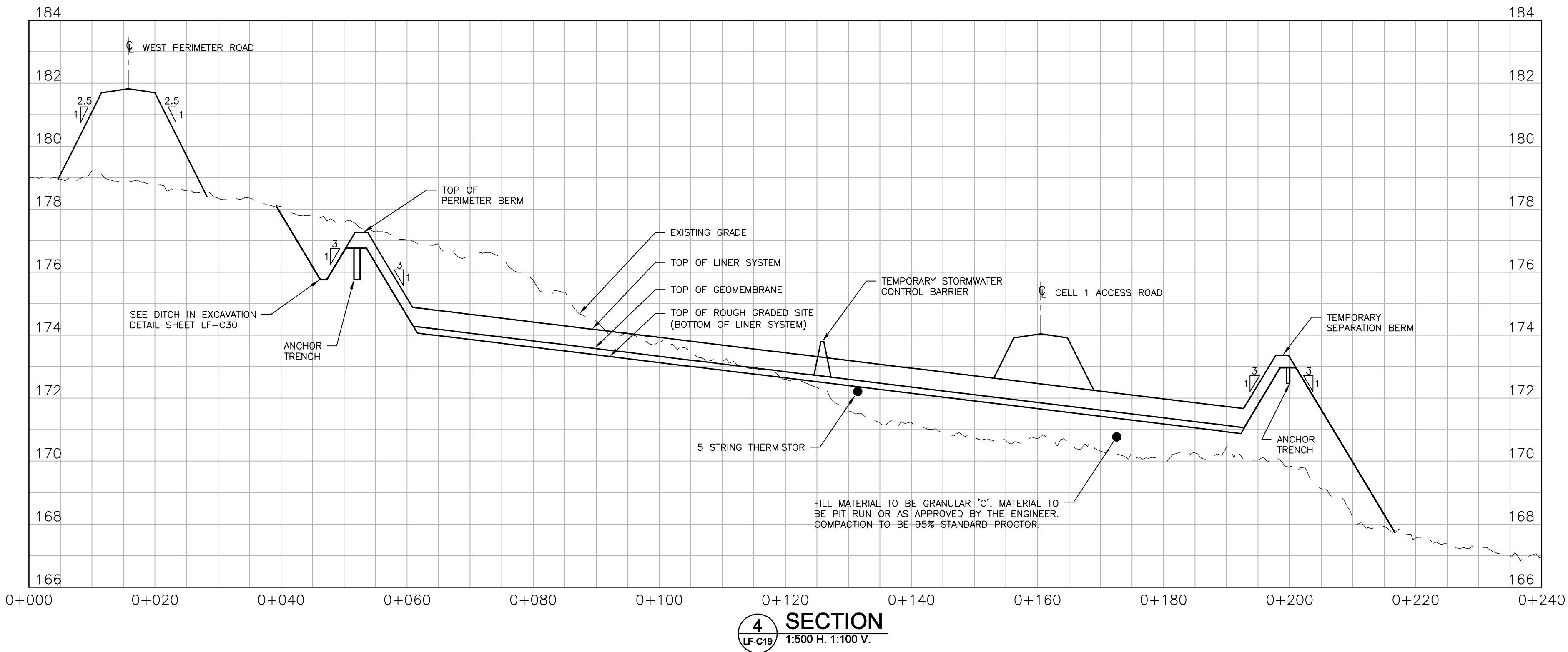
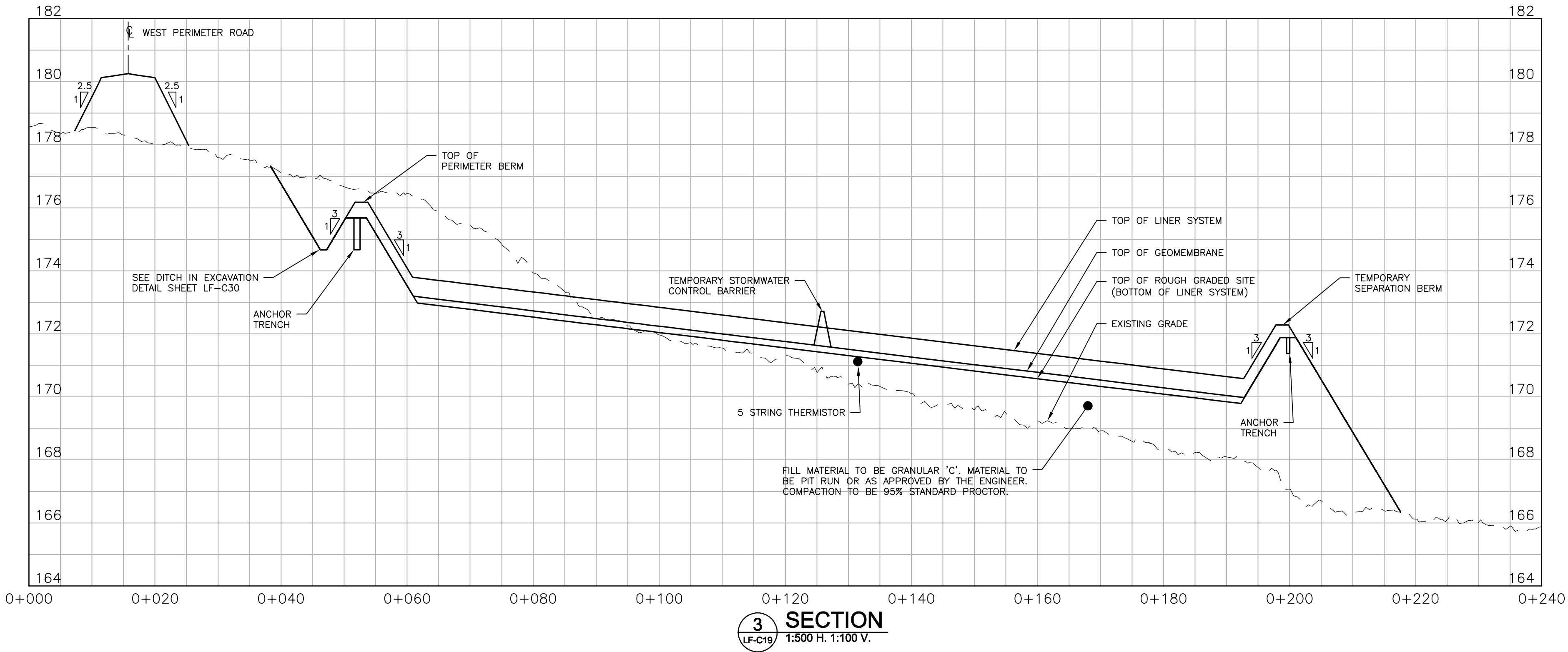
PROJECT NO.  
19-9543

CELL 1 - SECTIONS 1 AND 2

SHEET NO.  
LF-C20



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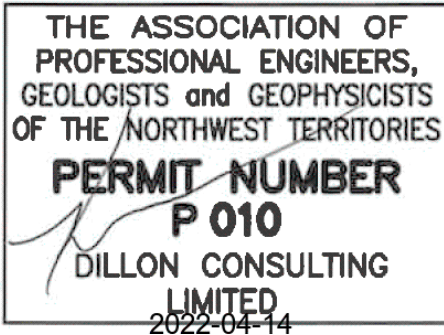
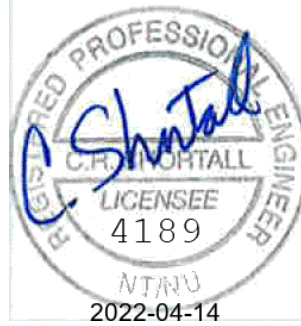


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			DESIGN	C.R.S.	REVIEWED BY	S.D.K.
			DRAWN	D.B.C./D.T.M.	CHECKED BY	K.B.
			DATE	JUNE 2021		
			SCALE	1:500 (22x34) 1:1000 (11x17)		
2	RELEASED FOR TENDER	2022/04/14	K.B.			
1	REVIEW	2021/09/24	K.B.			
No.	ISSUED FOR	DATE	BY			

CITY OF IQUALUIT  
SOLID WASTE LANDFILL

PROJECT NO.  
19-9543

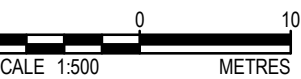
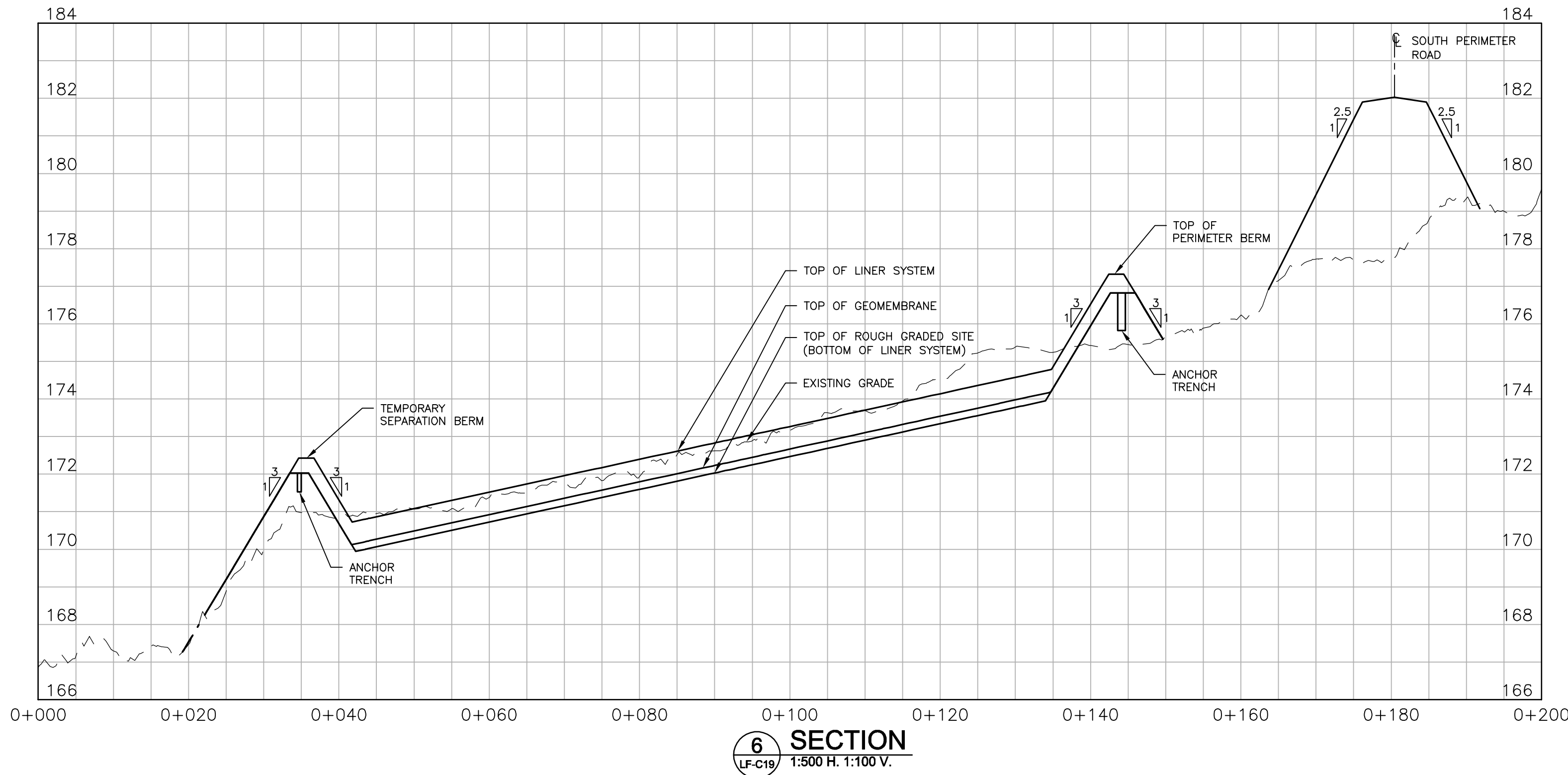
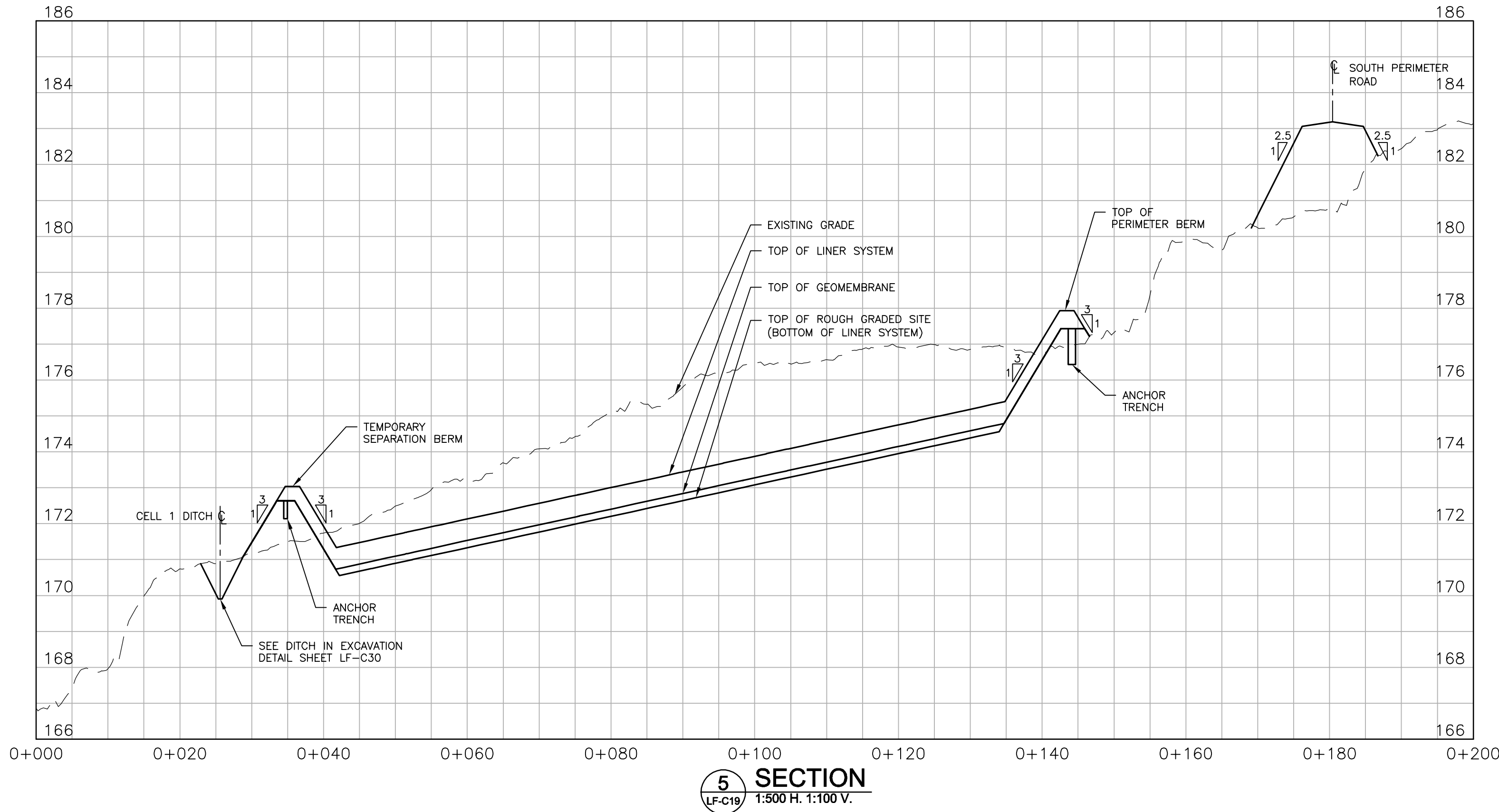
CELL 1 - SECTIONS 3 AND 4

SHEET NO.

LF-C21



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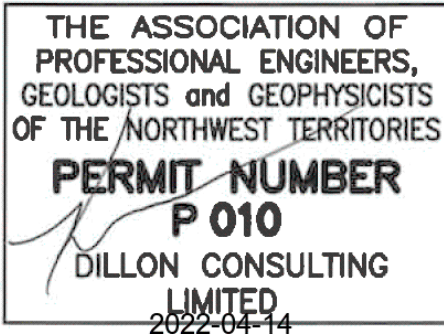
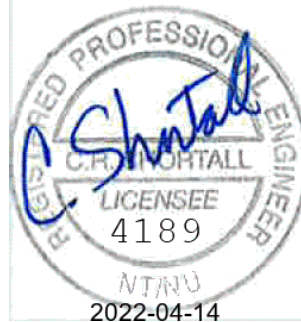


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2	RELEASED FOR TENDER	2022/04/14	K.B.
1	REVIEW	2021/09/24	K.B.
No.	ISSUED FOR	DATE	BY

DESIGN	C.R.S.	REVIEWED BY	S.D.K.
DRAWN	D.B.C./D.T.M.	CHECKED BY	K.B.
DATE	JUNE 2021	SCALE	1:500 (22x34) 1:1000 (11x17)

CITY OF IQALUIT  
SOLID WASTE LANDFILL

PROJECT NO.

19-9543

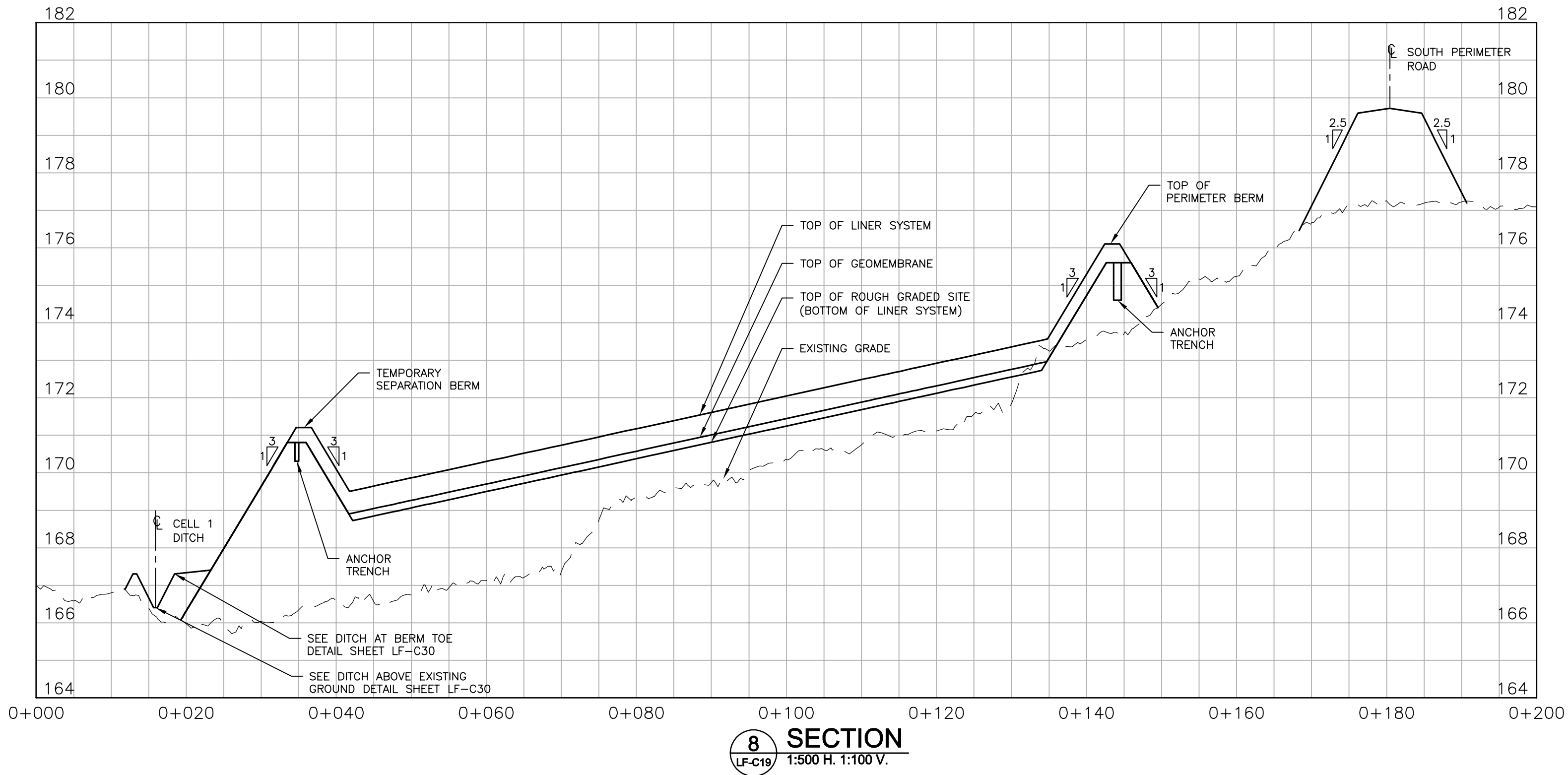
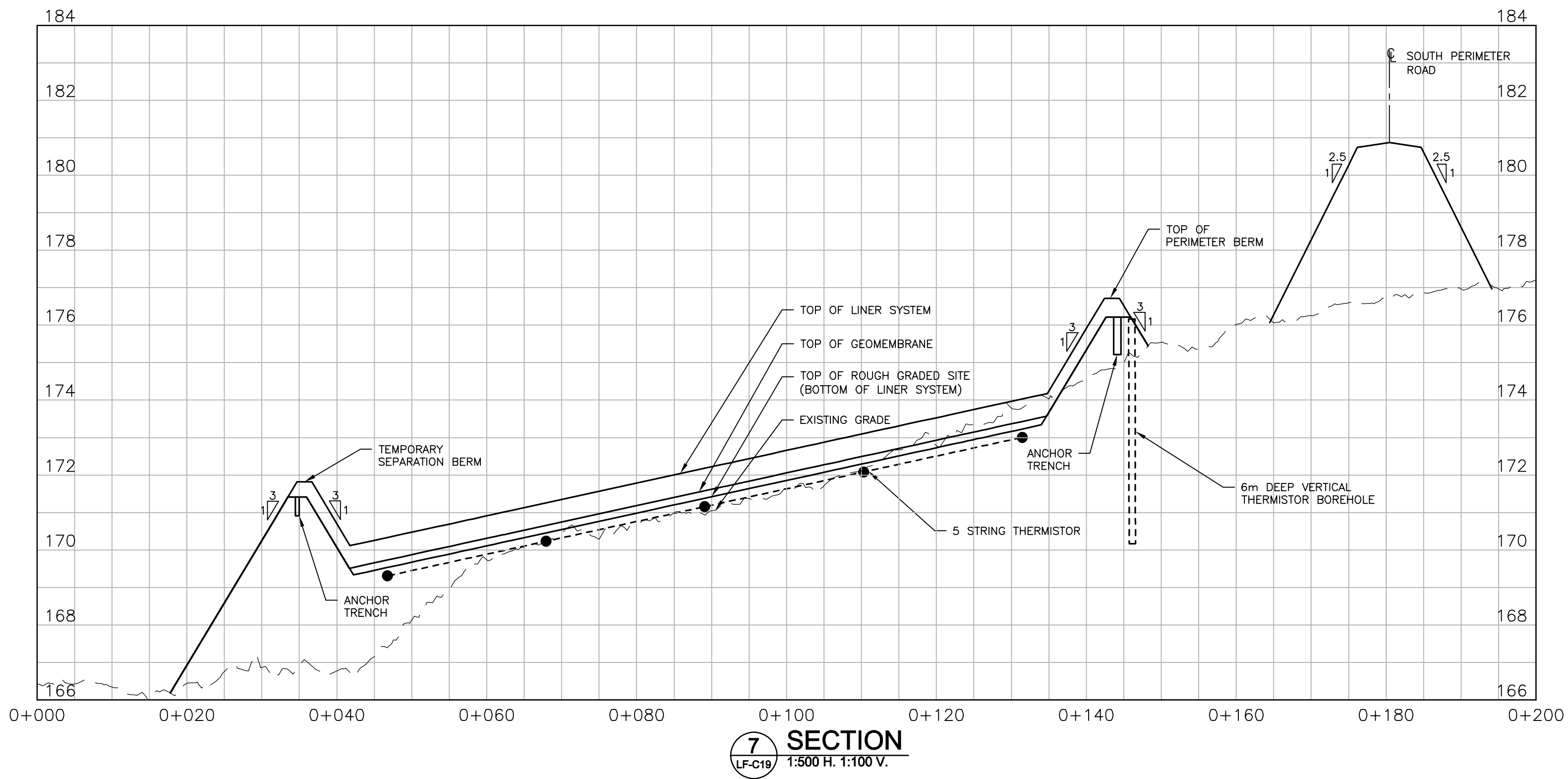
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LF-C22

CELL 1 - SECTIONS 5 AND 6



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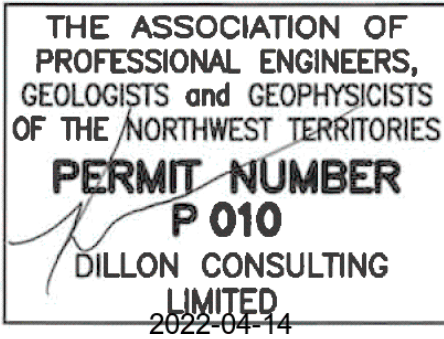
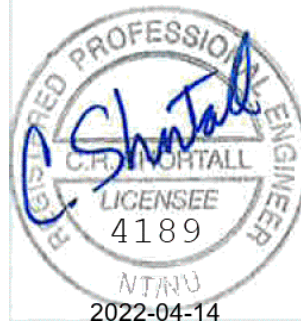


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DRAWN	D.B.C./D.T.M.	CHECKED BY	K.B.
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2	RELEASED FOR TENDER	2022/04/14	K.B.
1	REVIEW	2021/09/24	K.B.
No.	ISSUED FOR	DATE	BY

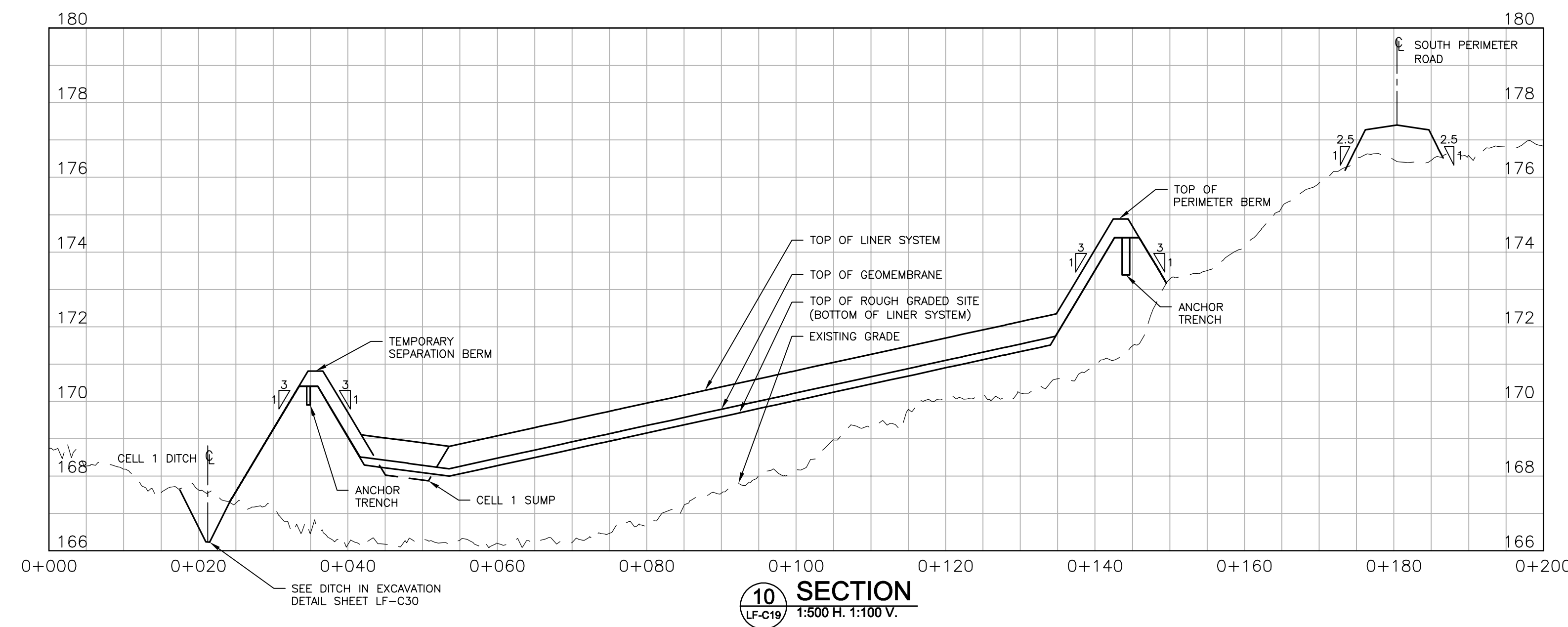
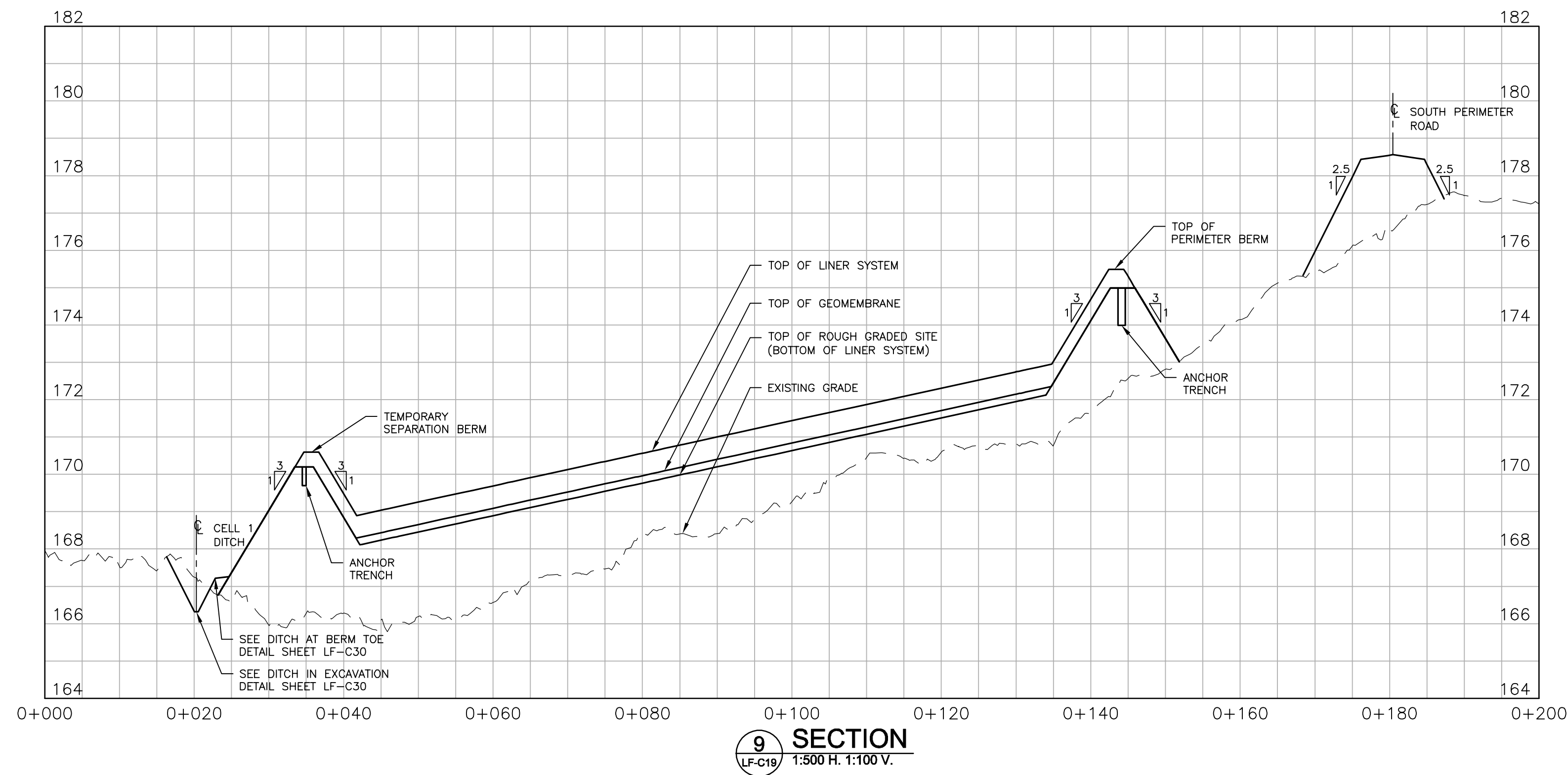
CITY OF IQUALUIT  
SOLID WASTE LANDFILL

PROJECT NO.  
19-9543

CELL 1 - SECTIONS 7 AND 8

SHEET NO.  
LF-C23



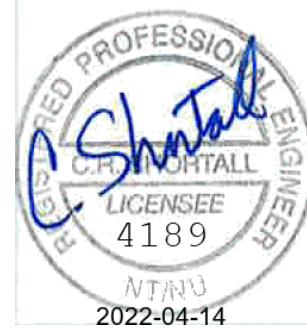


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OF THE NORTHWEST TERRITORIES

**PERMIT NUMBER**  
**P 010**

DILLON CONSULTING  
LIMITED

2022-04-14



						DESIGN	REVIEWED BY
						C.R.S.	S.D.K.
						DRAWN	CHECKED BY
						D.B.C / D.T.M.	K.B.
						DATE	
						JUNE 2021	
2	RELEASED FOR TENDER			2022/04/14	K.B.	SCALE 1:500 (22x34) 1:1000 (11x17)	
1	REVIEW			2021/09/24	K.B.		
No.	ISSUED FOR			DATE	BY		

**CITY OF IQALUIT  
SOLID WASTE LANDFILL**

PROJECT NO.

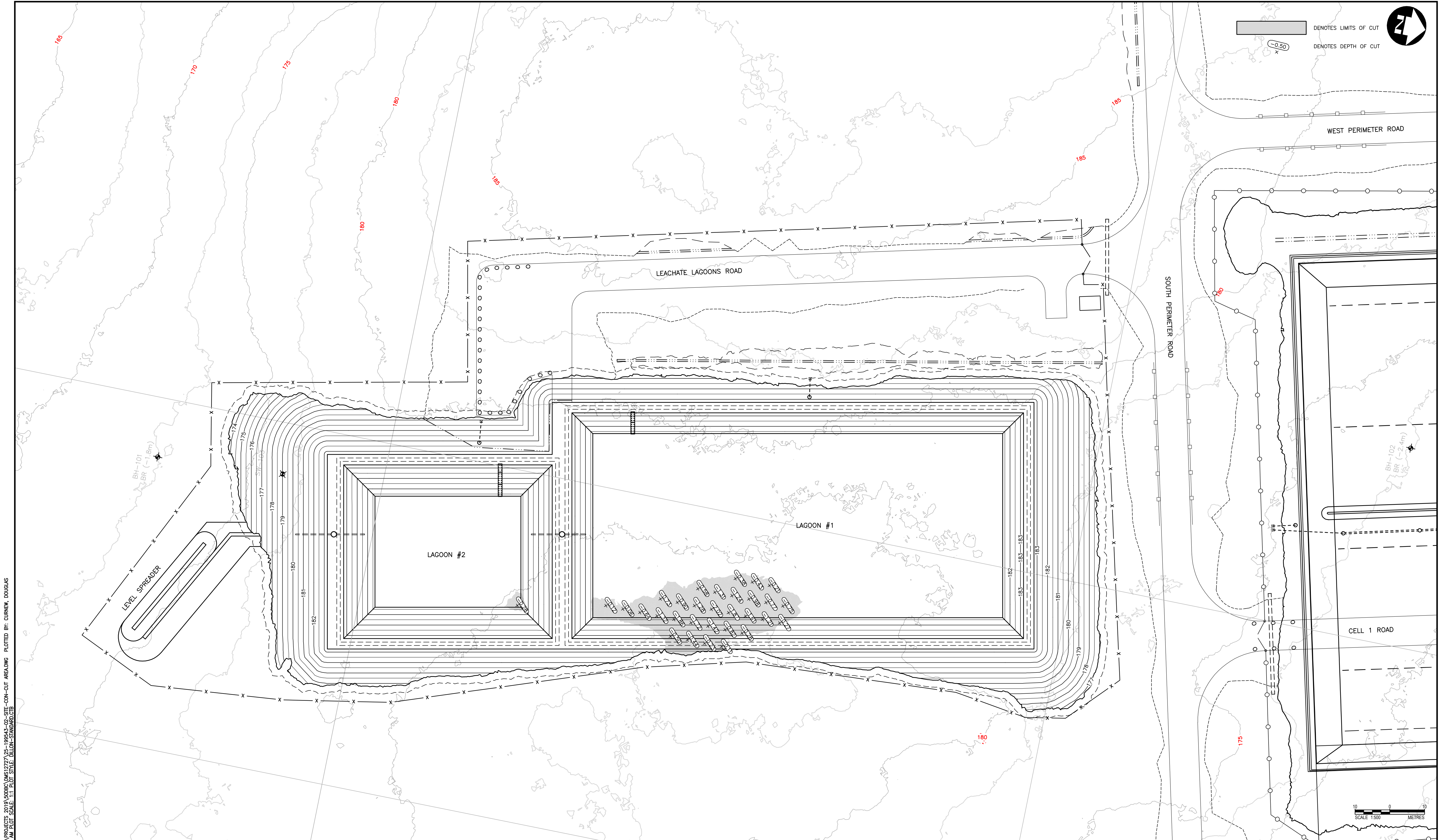
**19-9543**

**CELL 1 - SECTIONS 9 AND 10**

SHEET NO.

**LF-C24**





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PLOT DATE: 2022-04-14 @ 05:13:30 AM PLOT SCALE: 1:1 PLOT STYLE: DILLON-STANDARD.DWT

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LIMITED  
2022-04-14



2	RELEASED FOR TENDER	2022/04/14	K.B.		
1	REVIEW	2021/09/24	K.B.		
No.	ISSUED FOR	DATE	BY		

DESIGN	K.R.M.	REVIEWED BY	S.D.K.
DRAWN	D.B.C./D.T.M.	CHECKED BY	K.B.
DATE	JUNE 2021		
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CITY OF IQALUIT  
SOLID WASTE LANDFILL

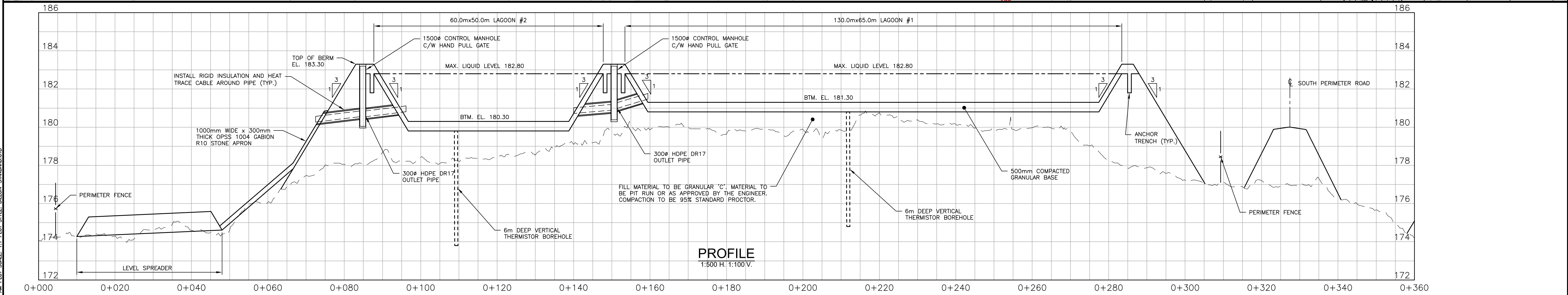
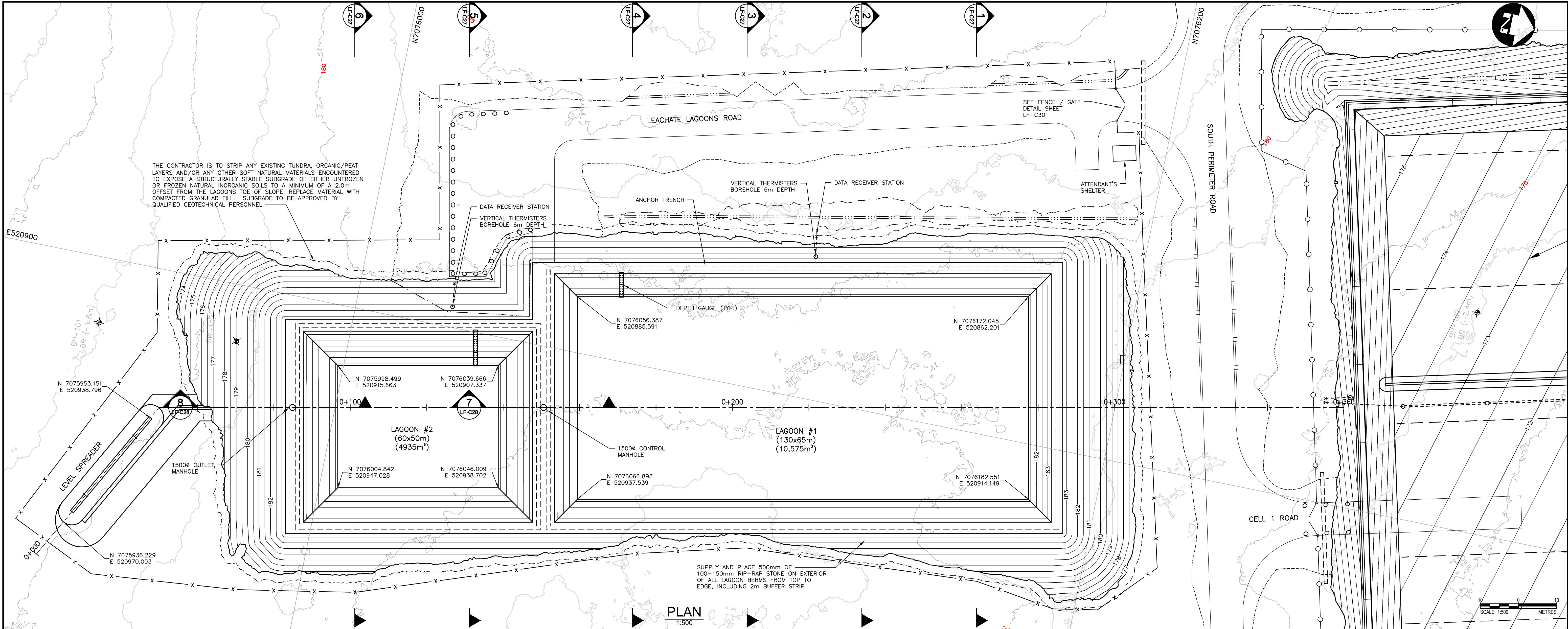
PROJECT NO.  
19-9543

LECHATE LAGOONS CUT AREA  
(FOR INFORMATION ONLY)

SHEET NO.  
LF-C25



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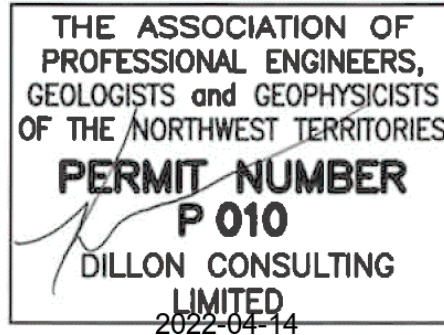


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No.	ISSUED FOR	DATE	BY
7	RELEASED FOR TENDER	2022/04/14	K.B.
6	REVIEW	2021/09/24	K.B.
5	REVIEW	2021/06/25	K.B.
4	100% ISSUED FOR APPROVAL	2020/12/15	K.B.
3	90% REVIEW	2020/01/24	K.B.
2	50% REVIEW	2019/10/23	K.B.
1	30% REVIEW	2019/06/04	K.B.

		DESIGN	REVIEWED BY
		K.R.M.	S.D.K.
2022/04/14	K.B.	DRAWN	CHECKED BY
2021/09/24	K.B.	D.B.C./D.T.M.	K.B.
2021/06/25	K.B.		
2020/12/15	K.B.	DATE	
2020/01/24	K.B.		MAY 2019
2019/10/23	K.B.		
2019/06/04	K.B.	SCALE	
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DATE	BY		

CITY OF IQALUIT  
SOLID WASTE LANDFILL

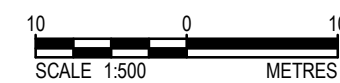
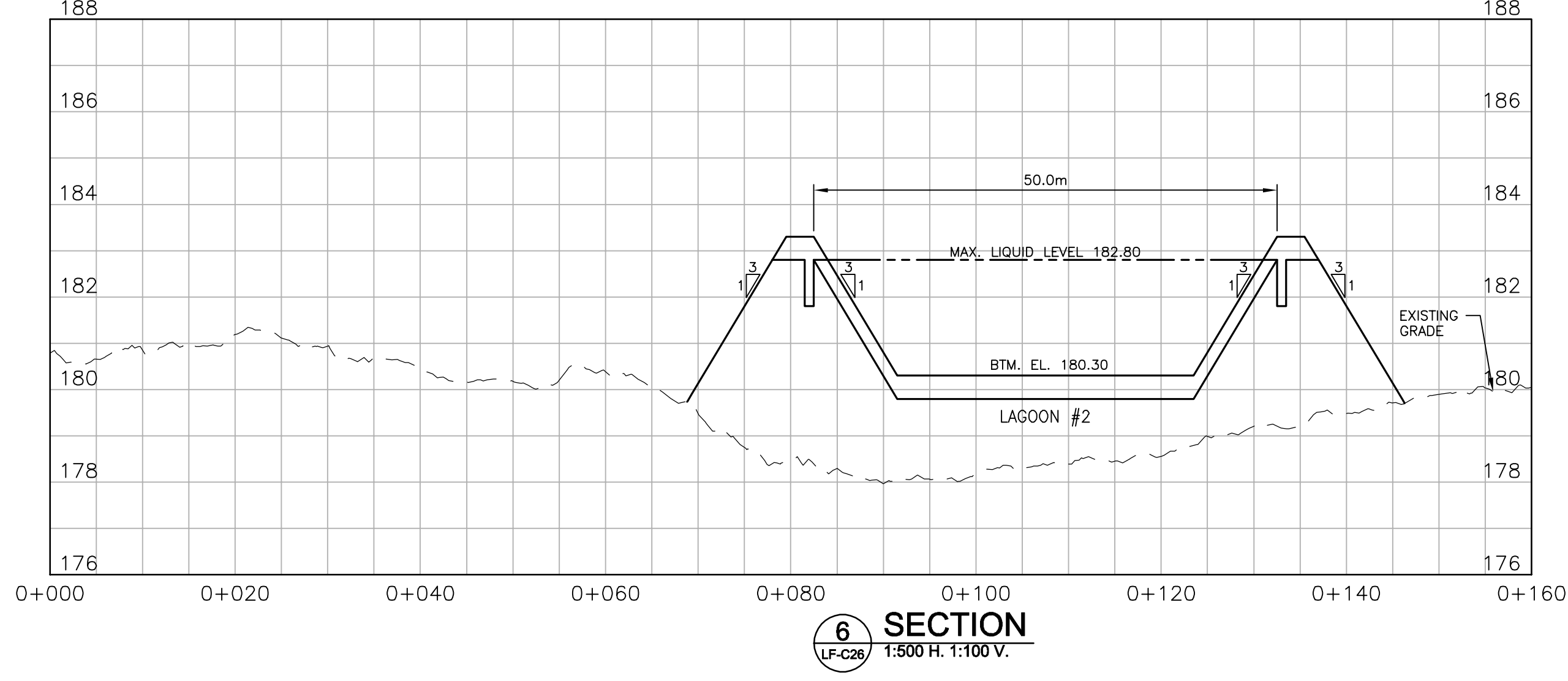
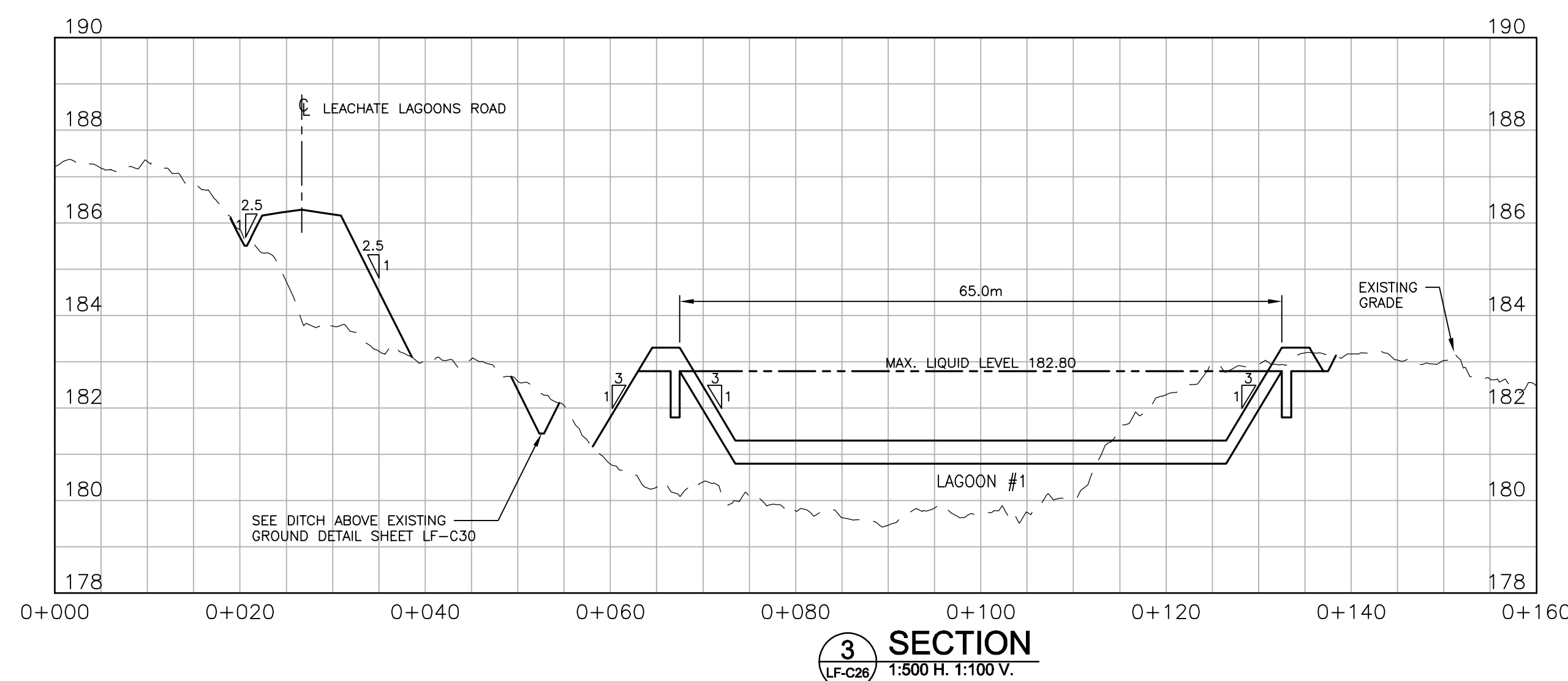
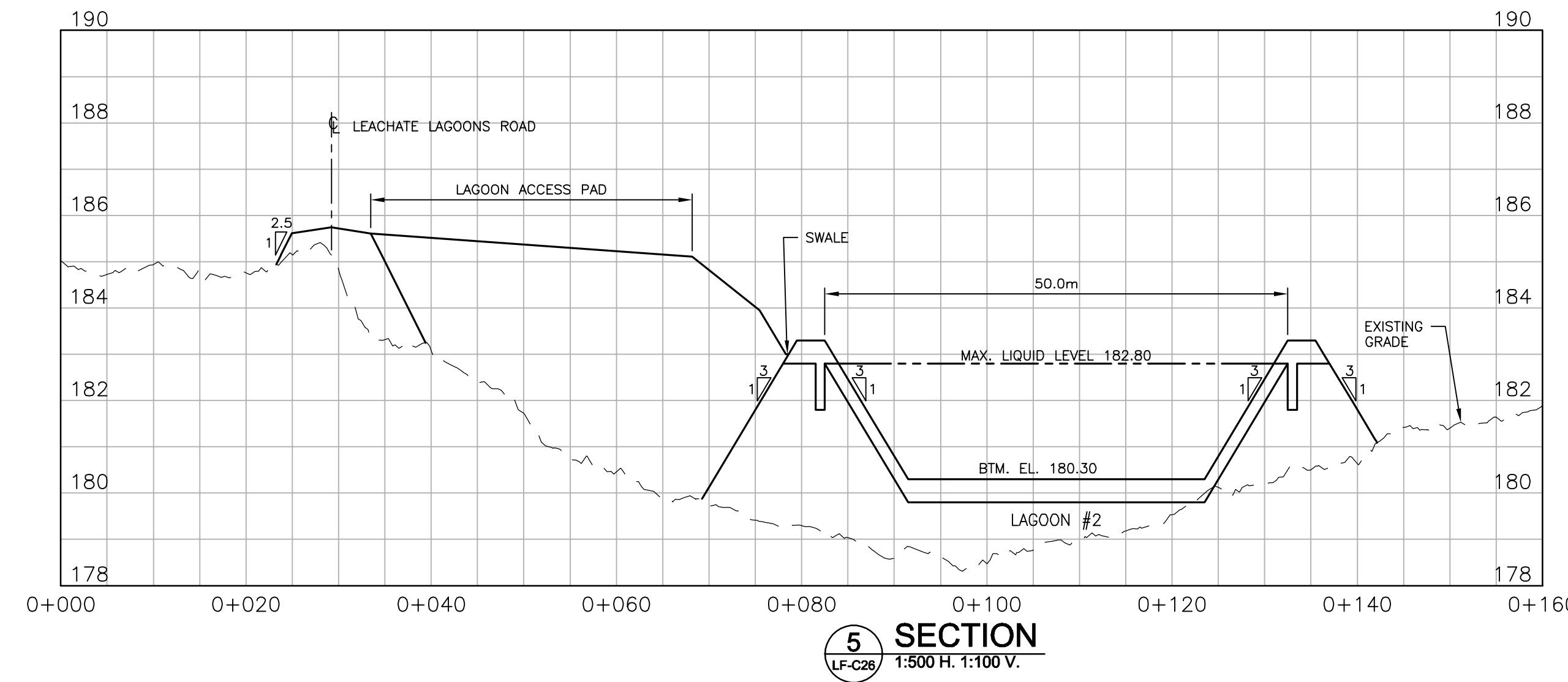
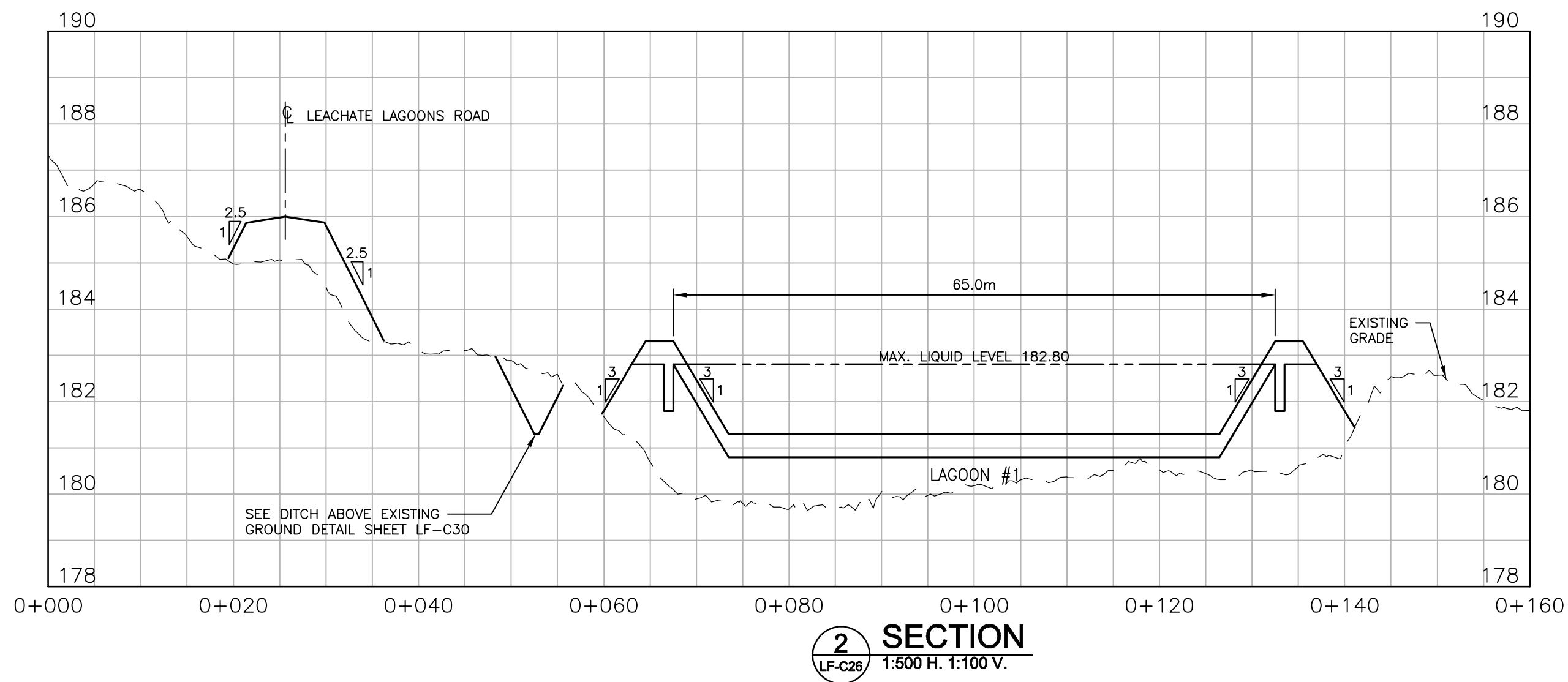
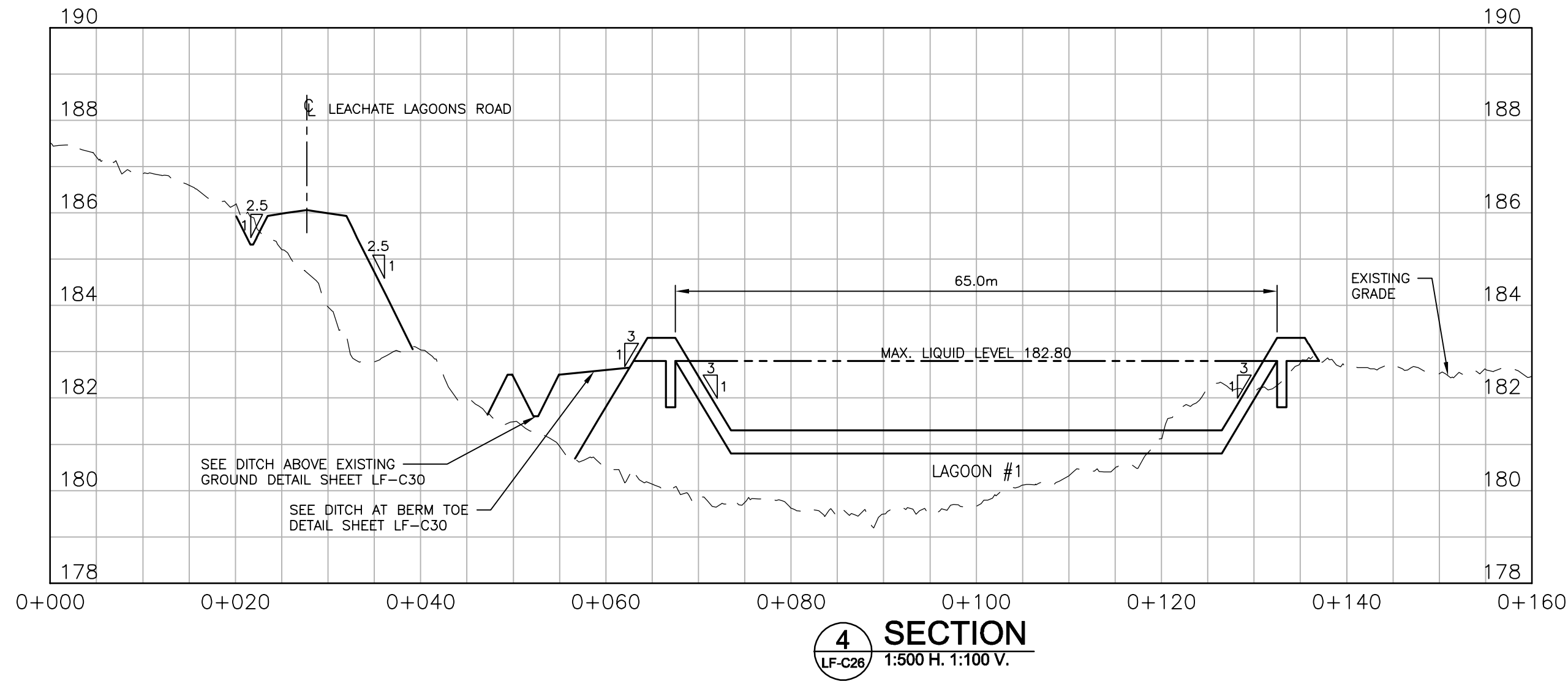
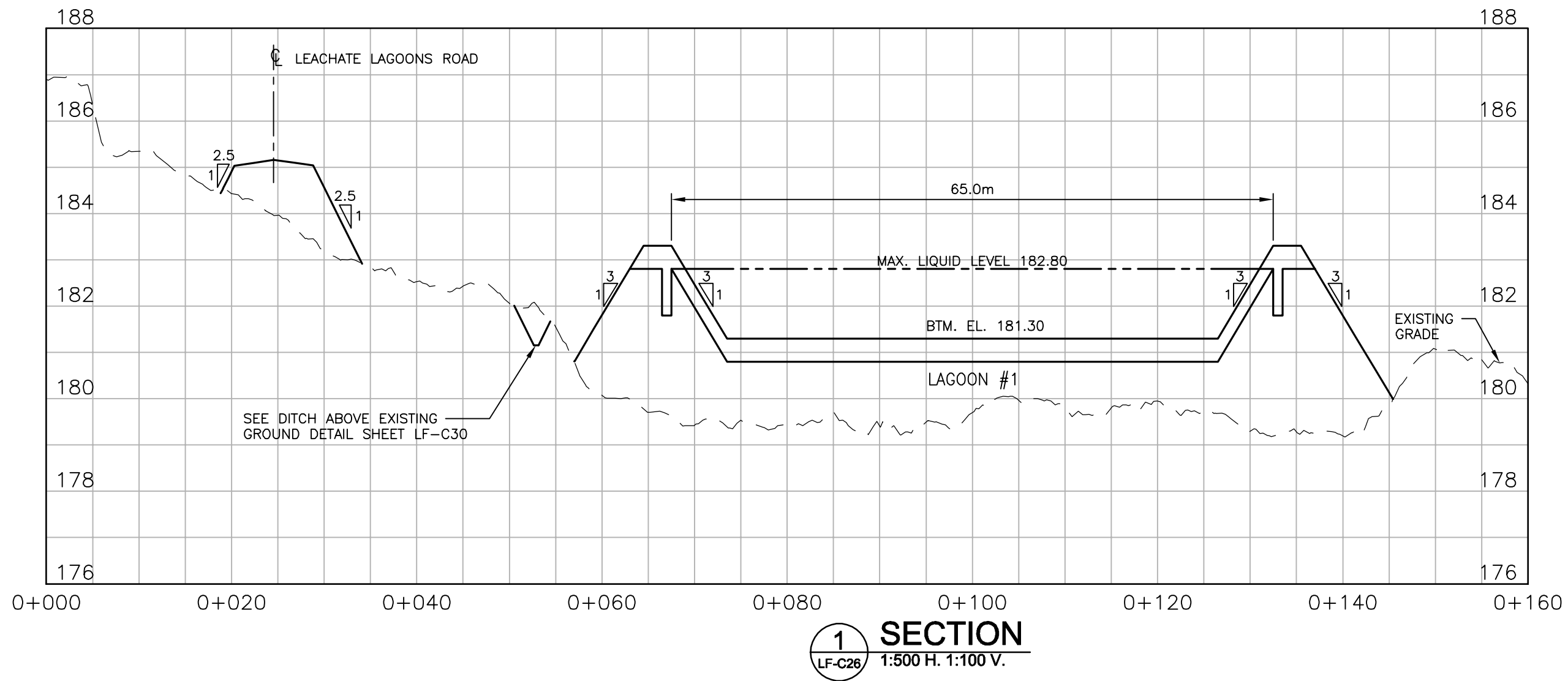
LEACHATE LAGOONS  
PLAN & PROFILE

PROJECT NO.  
19-9543

SHEET NO.  
LF-C26



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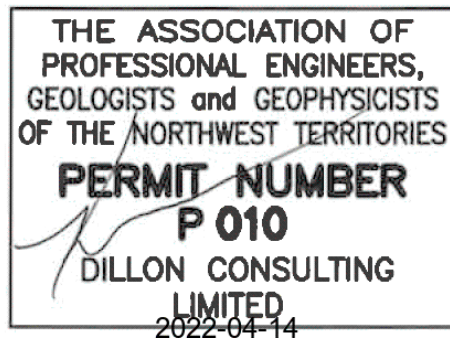


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DRAWN	D.B.C./D.T.M.	CHECKED BY	K.B.
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2	RELEASED FOR TENDER	2022/04/14	K.B.
1	REVIEW	2021/09/24	K.B.
No.	ISSUED FOR	DATE	BY

CITY OF IQALUIT  
SOLID WASTE LANDFILL

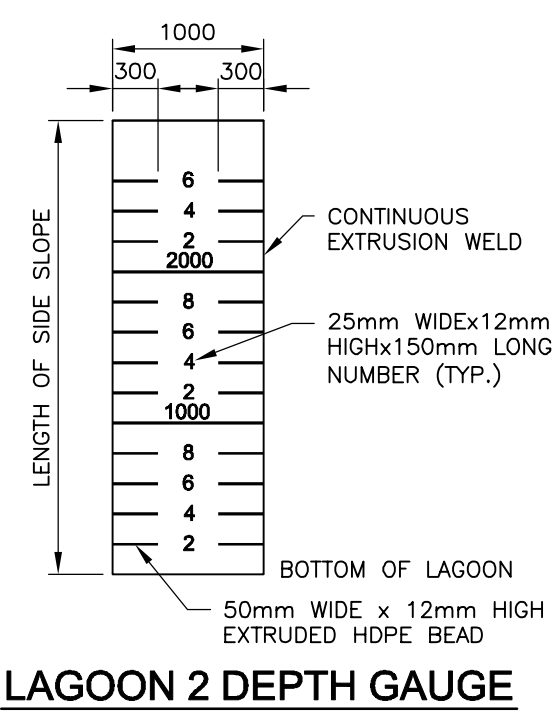
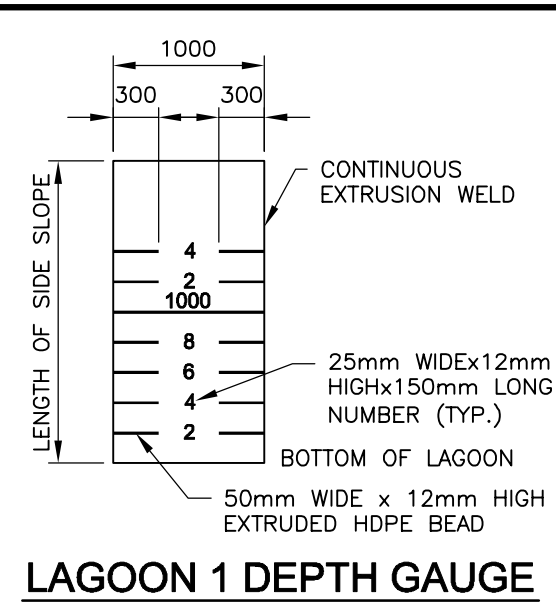
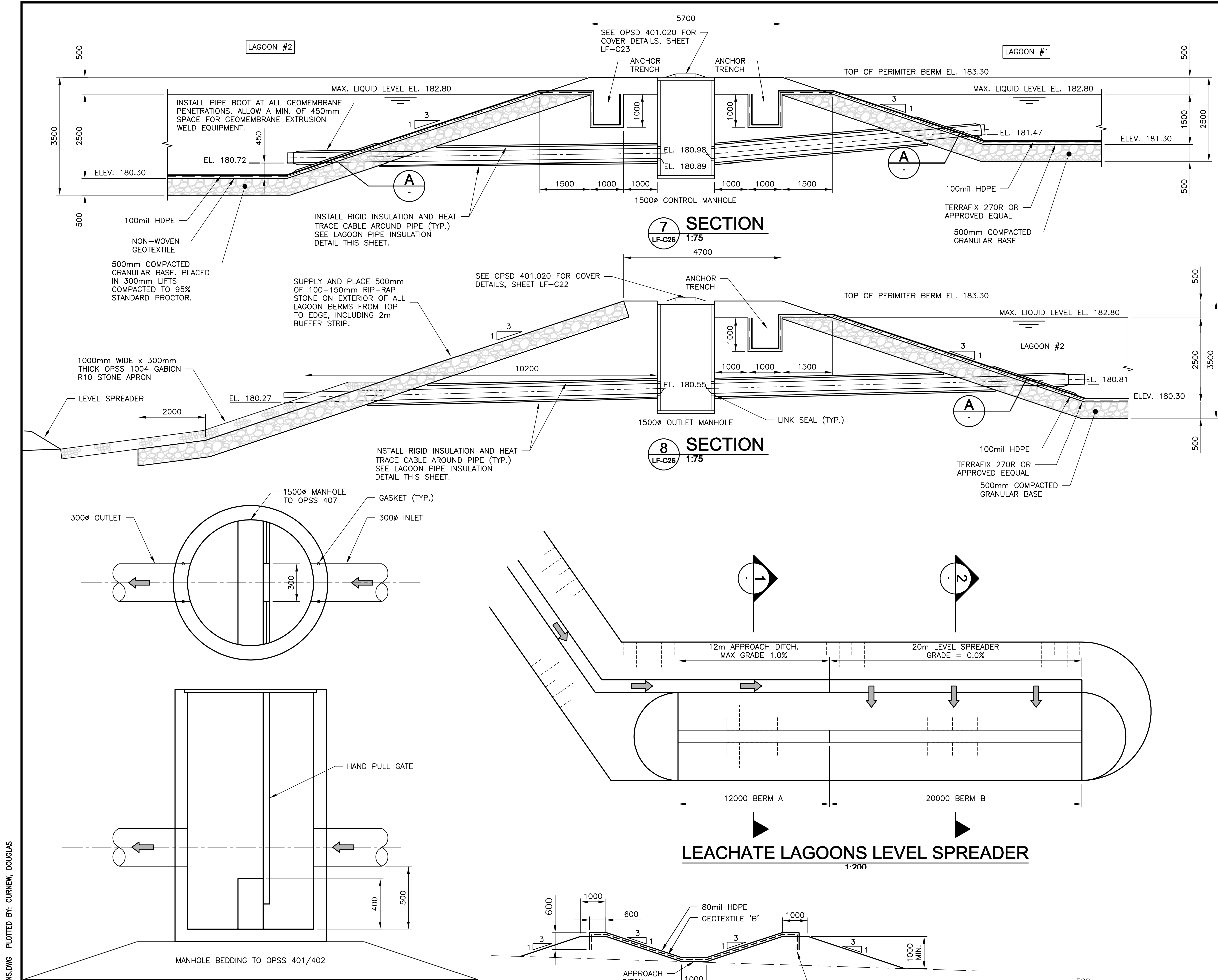
PROJECT NO.  
19-9543

LEACHATE LAGOONS  
SECTIONS 1 TO 6

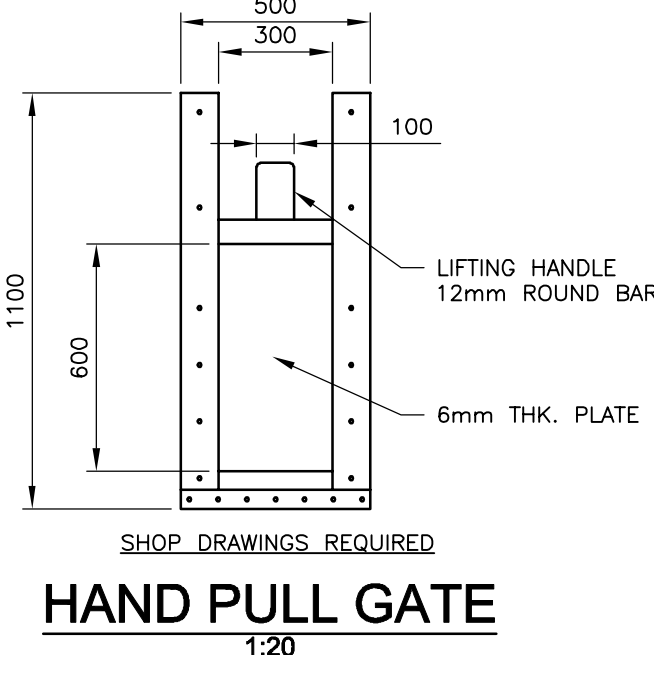
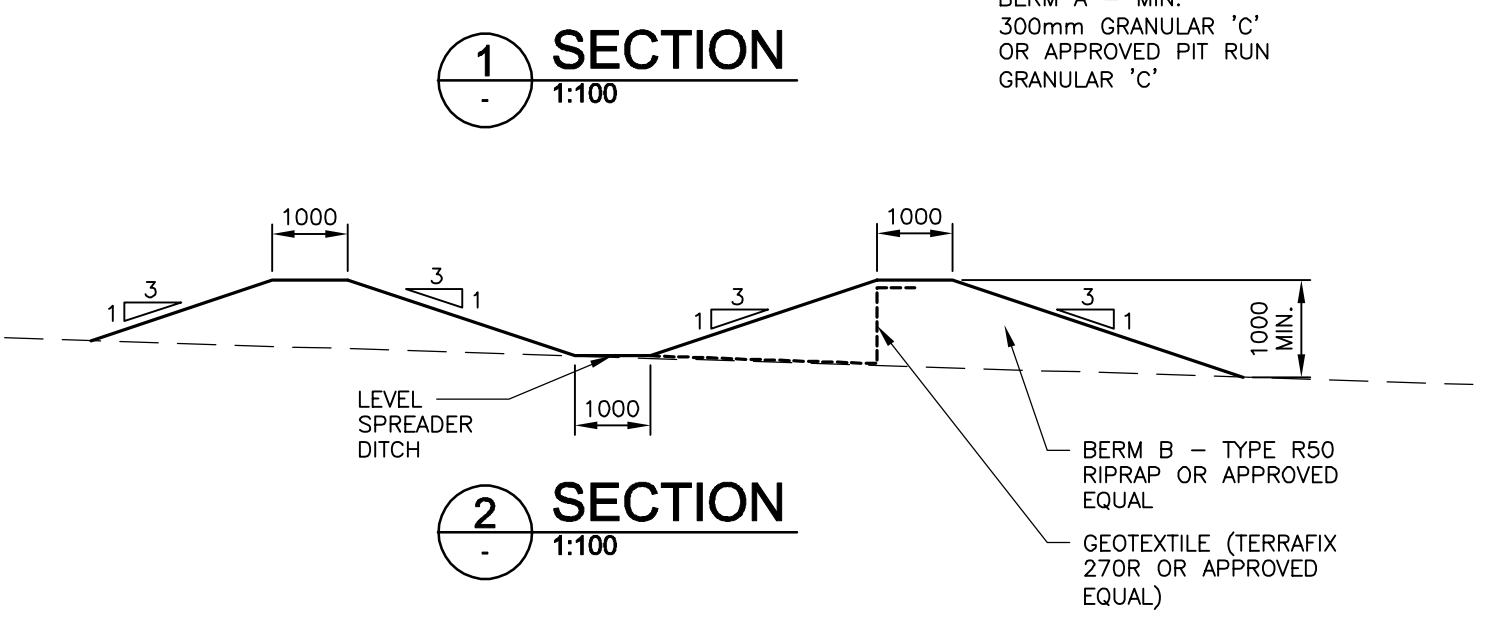
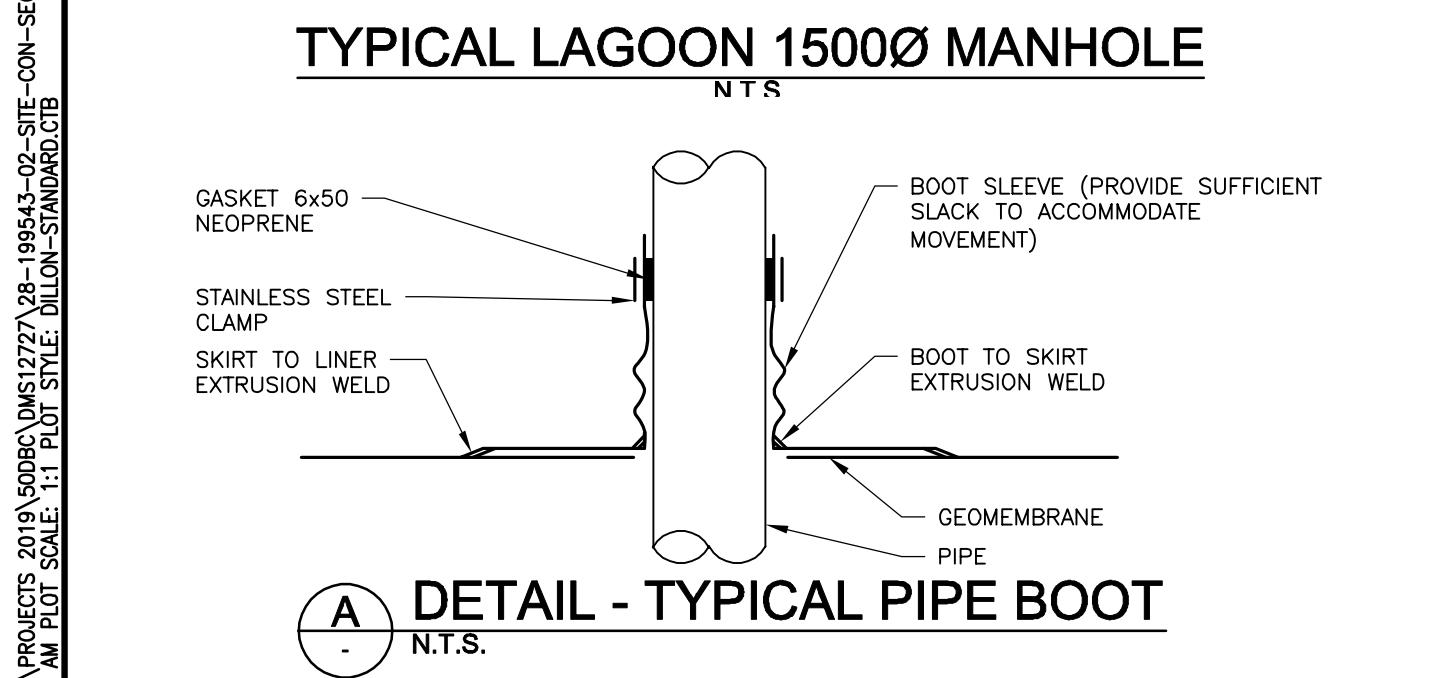
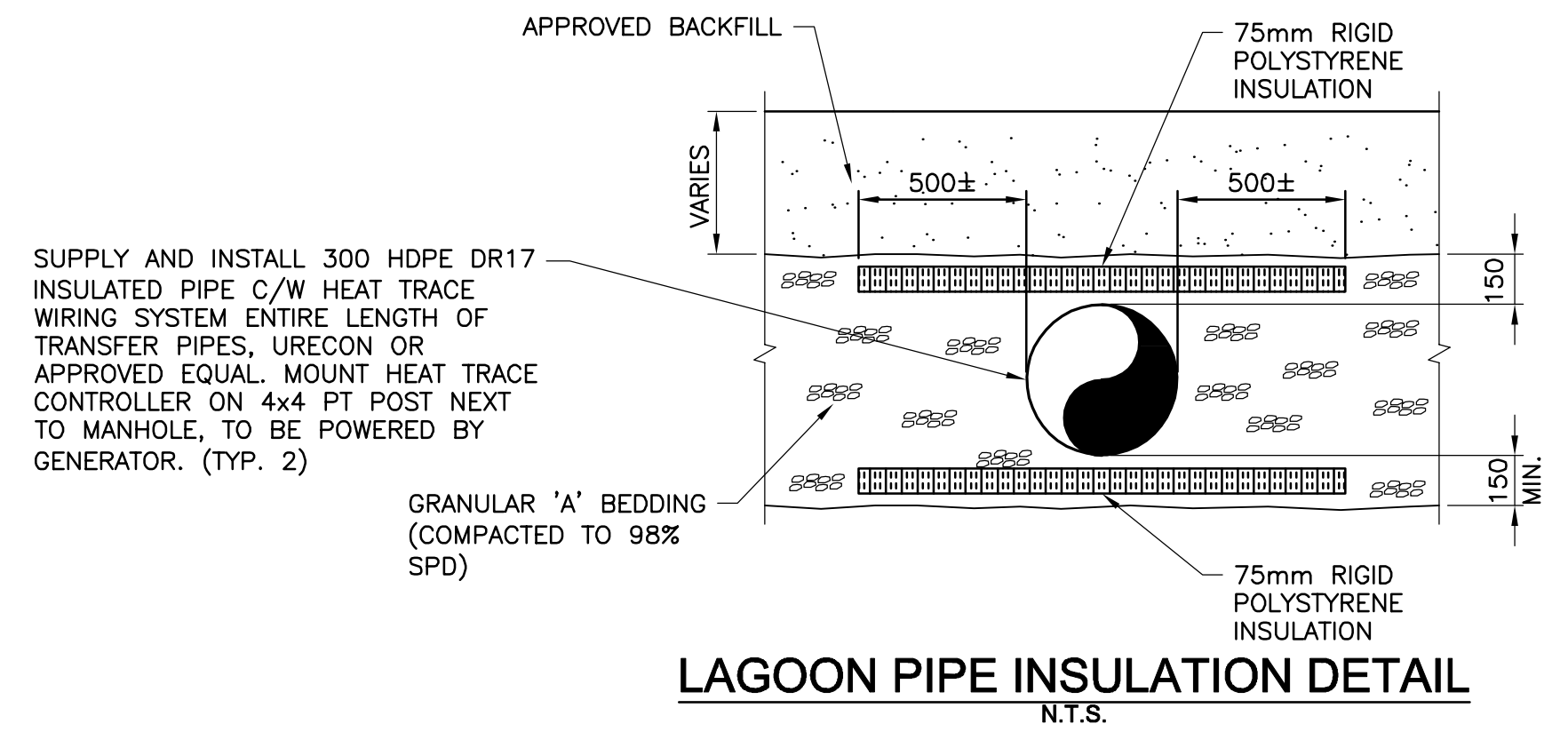
SHEET NO.  
LF-C27



FILENAME: C:\P\WORKING DIRECTORY\PROJECTS 2019\50080\UNITS\22\28-199543-02-SITE-CON-SECTIONS.DWG PLOTTED BY: CURNEW, DOUGLAS  
PLOT DATE: 2022-04-14 10:56:57 AM PLOT SCALE: 1:1 PLOT STYLE: DILLON-STANDARD.CTB



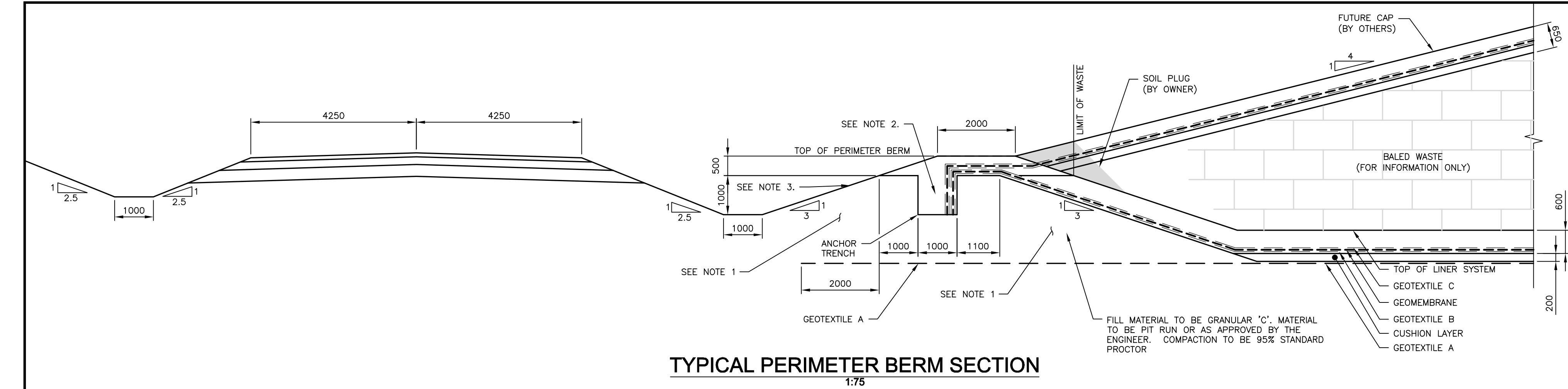
- NOTE:
1. ALL EARTHWORKS TO BE IN ACCORDANCE WITH EXP GEOTECHNICAL REPORT U.N.O.
  2. LINER AND GEOTEXTILE TO BE CERTIFIED FOR ARCTIC INSTALLATIONS.
  3. ESTIMATED SETTLEMENT OVER THE LIFE OF THE LAGOONS IS UP TO 200mm. CONTRACTOR SHALL SUBMIT LINER INSTALLATION PLAN C/W THERMAL AND SETTLEMENT COMPENSATION PROTOCOLS. AT A MINIMUM, FOLDS SHALL BE INSTALLED TO PREVENT STRETCHING OR TEARING OF THE LINER.
  4. SUBGRADE SHALL BE PROOFROLLED PRIOR TO PLACEMENT OF GRAVELS, UNDER SUPERVISION OF GEOTECHNICAL ENGINEER.
  5. ANCHOR TRENCHES TO BE BACKFILLED WITH (1) ARCTIC GROUT OR (2) A MIX OF 60% BENTONITE AND 40% CEMENT.



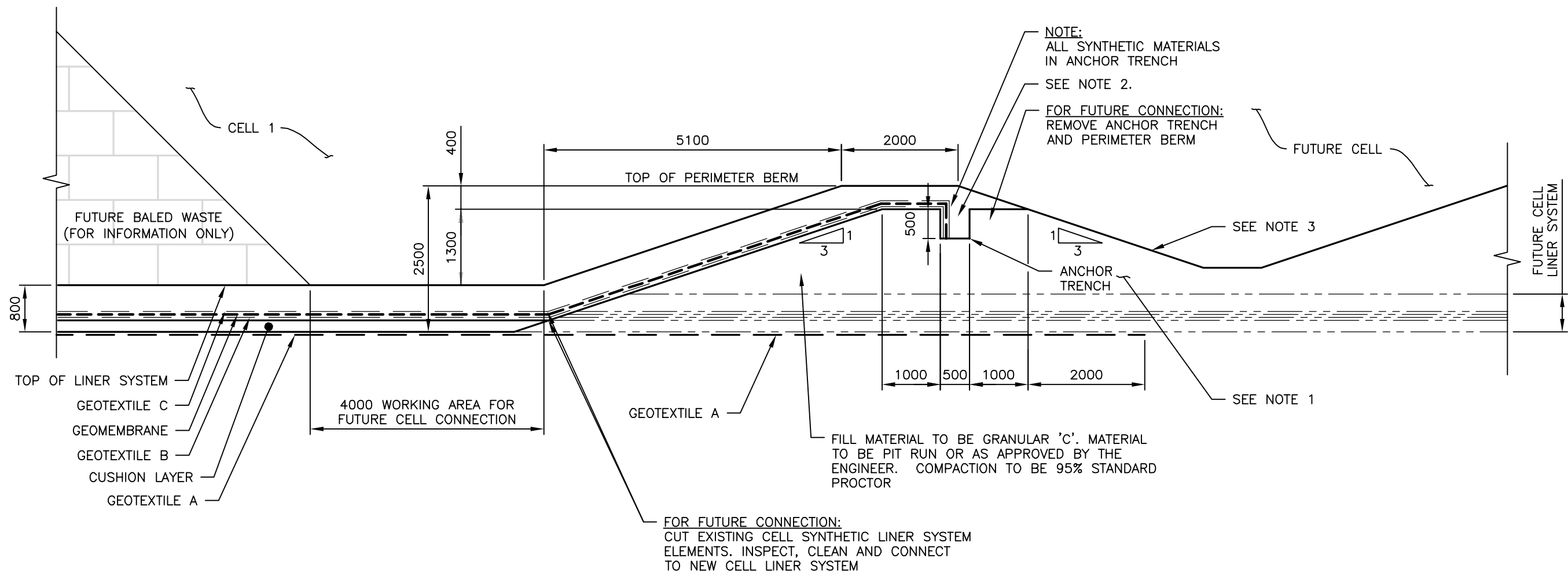
<div>Conditions of Use</div> <div>Verify elevations and/or dimensions on drawing prior to use. Report any discrepancies to Dillon Consulting Limited.</div> <div>Do not scale dimensions from drawing.</div> <div>Do not modify drawing, re-use it, or use it for purposes other than those intended at the time of its preparation without prior written permission from Dillon Consulting Limited.</div>		<div>THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS AND GEOPHYSICISTS OF THE NORTHWEST TERRITORIES</div> <div>PERMIT NUMBER P 010</div> <div>DILLON CONSULTING LIMITED</div> <div>2022-04-14</div>			<table><tr><td></td><td>DESIGN</td><td>REVIEWED BY</td><td></td><td></td></tr><tr><td></td><td>C.R.S.</td><td>S.D.K.</td><td></td><td></td></tr><tr><td>7</td><td>RELEASED FOR TENDER</td><td>2022/04/14</td><td>K.B.</td><td></td></tr><tr><td>6</td><td>REVIEW</td><td>2021/09/24</td><td>K.B.</td><td></td></tr><tr><td>5</td><td>REVIEW</td><td>2021/06/25</td><td>K.B.</td><td></td></tr><tr><td>4</td><td>100% ISSUED FOR APPROVAL</td><td>2020/12/15</td><td>K.B.</td><td></td></tr><tr><td>3</td><td>90% REVIEW</td><td>2020/01/24</td><td>K.B.</td><td></td></tr><tr><td>2</td><td>50% REVIEW</td><td>2019/10/23</td><td>K.B.</td><td></td></tr><tr><td>1</td><td>30% REVIEW</td><td>2019/06/04</td><td>K.B.</td><td></td></tr><tr><td>No.</td><td>ISSUED FOR</td><td>DATE</td><td>BY</td><td></td></tr></table>		DESIGN	REVIEWED BY				C.R.S.	S.D.K.			7	RELEASED FOR TENDER	2022/04/14	K.B.		6	REVIEW	2021/09/24	K.B.		5	REVIEW	2021/06/25	K.B.		4	100% ISSUED FOR APPROVAL	2020/12/15	K.B.		3	90% REVIEW	2020/01/24	K.B.		2	50% REVIEW	2019/10/23	K.B.		1	30% REVIEW	2019/06/04	K.B.		No.	ISSUED FOR	DATE	BY		<table><tr><td colspan="2">CITY OF IQALUIT SOLID WASTE LANDFILL</td><td>PROJECT NO.</td><td>19-9543</td></tr><tr><td colspan="2">LEACHATE LAGOONS SECTIONS &amp; DETAILS</td><td>SHEET NO.</td><td>LF-C28</td></tr></table>	CITY OF IQALUIT SOLID WASTE LANDFILL		PROJECT NO.	19-9543	LEACHATE LAGOONS SECTIONS & DETAILS		SHEET NO.	LF-C28
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LEACHATE LAGOONS SECTIONS & DETAILS		SHEET NO.	LF-C28																																																													
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SCALE		AS NOTED																																																														



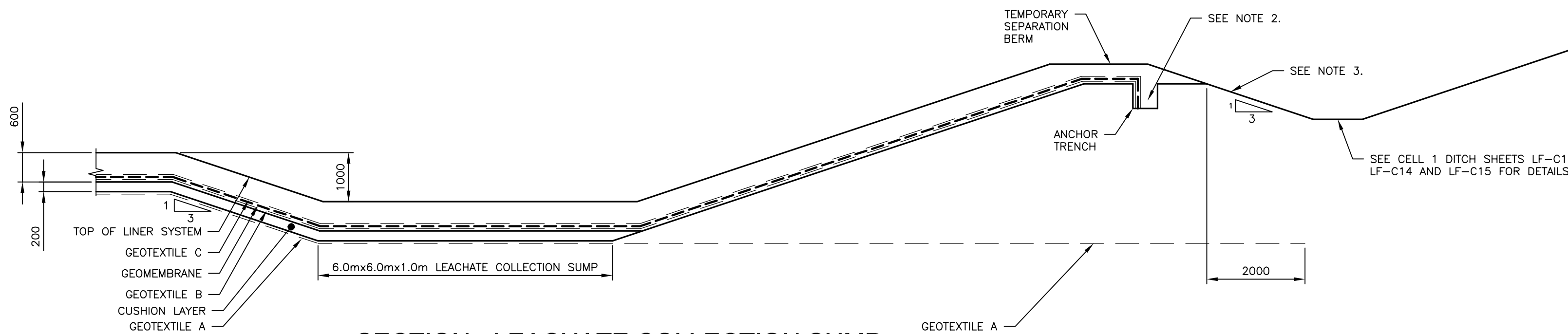
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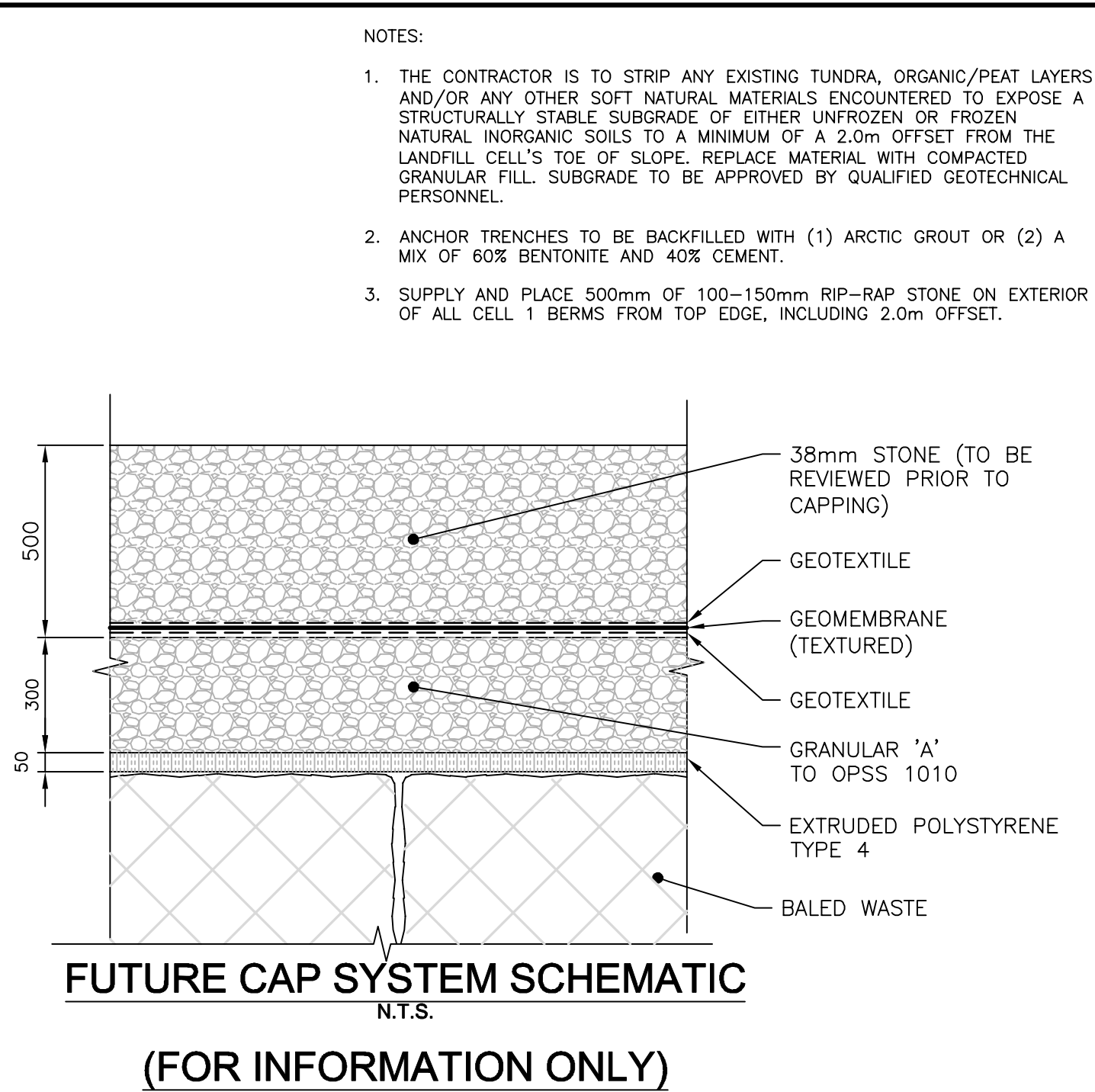
TYPICAL PERIMETER BERM SECTION  
1:75



TEMPORARY CELL SEPARATION BERM SECTION  
1:75

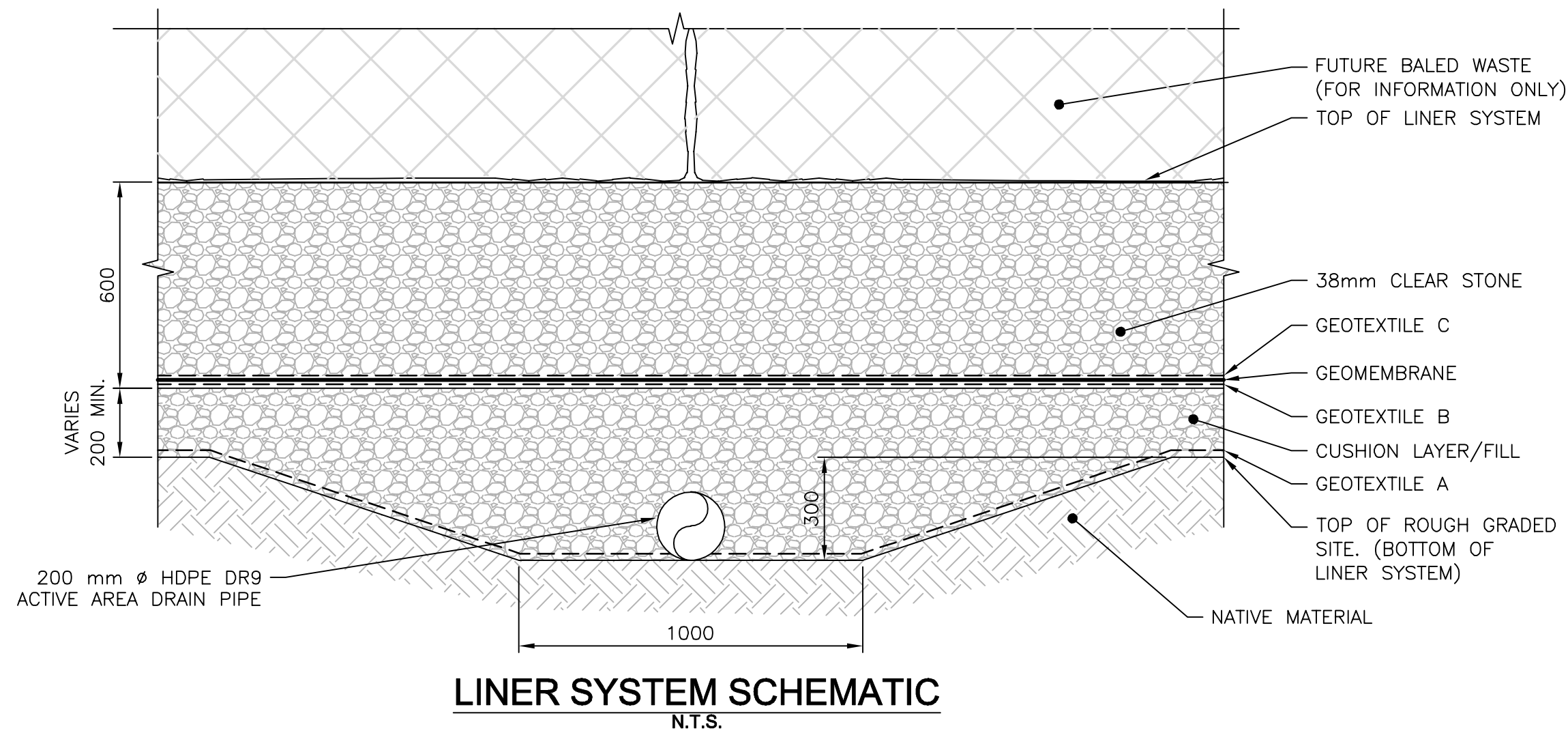


B SECTION - LEACHATE COLLECTION SUMP  
1:75

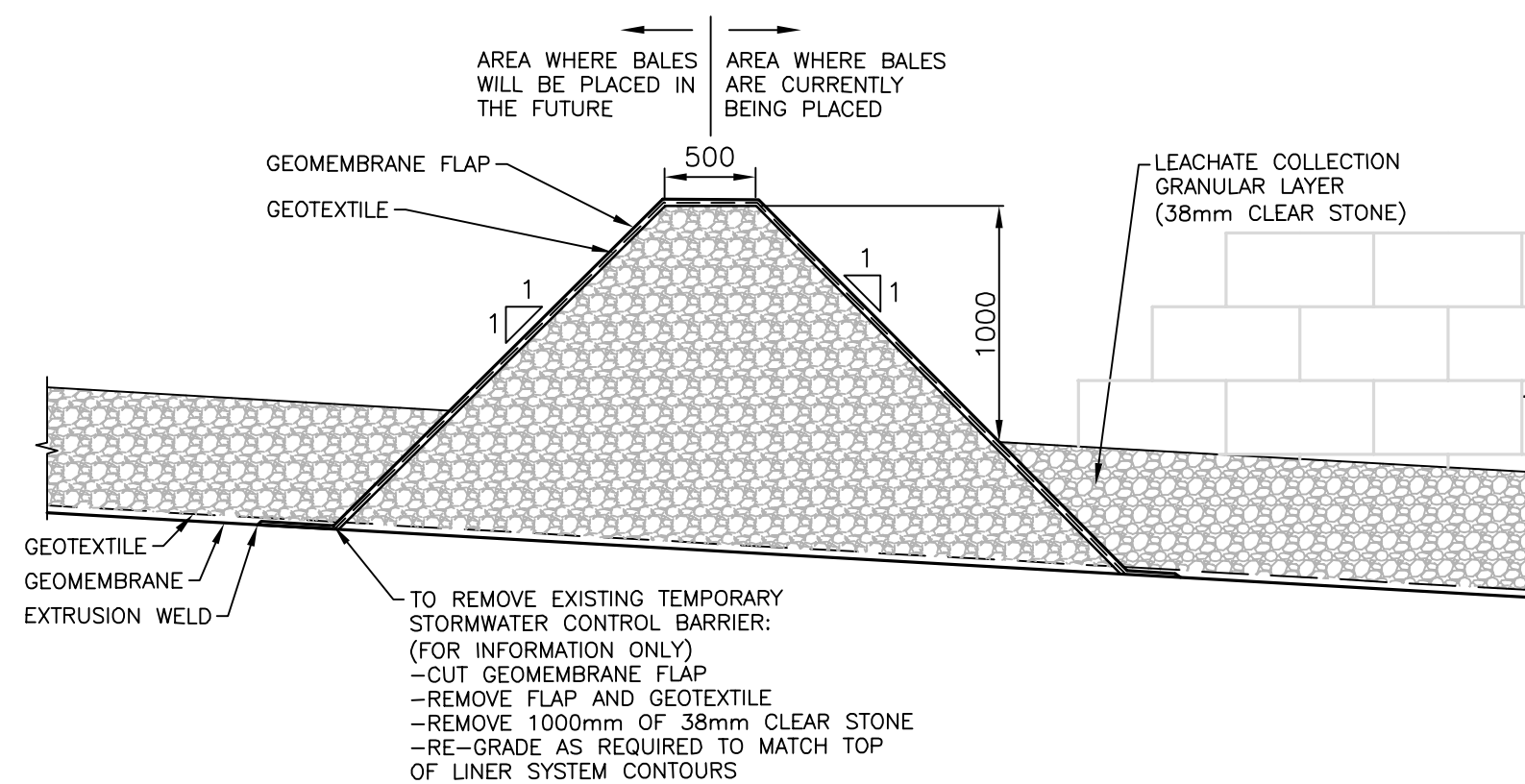


FUTURE CAP SYSTEM SCHEMATIC  
N.T.S.

(FOR INFORMATION ONLY)



LINER SYSTEM SCHEMATIC  
N.T.S.



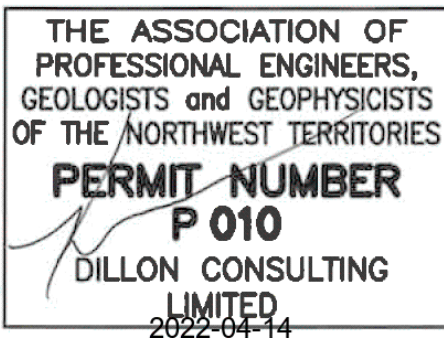
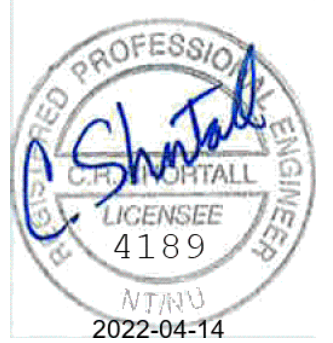
A SECTION - TEMPORARY STORMWATER CONTROL BARRIER  
1:75

Conditions of Use

Verify elevations and/or dimensions on drawing prior to use.  
Report any discrepancies to Dillon Consulting Limited.

Do not scale dimensions from drawing.

Do not modify drawing, re-use it, or use it for purposes other than those intended at the time of its preparation without prior written permission from Dillon Consulting Limited.



No.	ISSUED FOR	DATE	BY
7	RELEASED FOR TENDER	2022/04/14	K.B.
6	REVIEW	2021/09/24	K.B.
5	REVIEW	2021/06/25	K.B.
4	100% ISSUED FOR APPROVAL	2020/12/15	K.B.
3	90% REVIEW	2020/10/24	K.B.
2	50% REVIEW	2019/10/23	K.B.
1	30% REVIEW	2019/06/04	K.B.

DESIGN	REVIEWED BY
C.R.S.	S.D.K.
DRAWN	CHECKED BY
D.B.C. / D.T.M.	K.B.
DATE	
MAY 2019	
SCALE	
AS NOTED	

CITY OF IQALUIT  
SOLID WASTE LANDFILL

PROJECT NO.

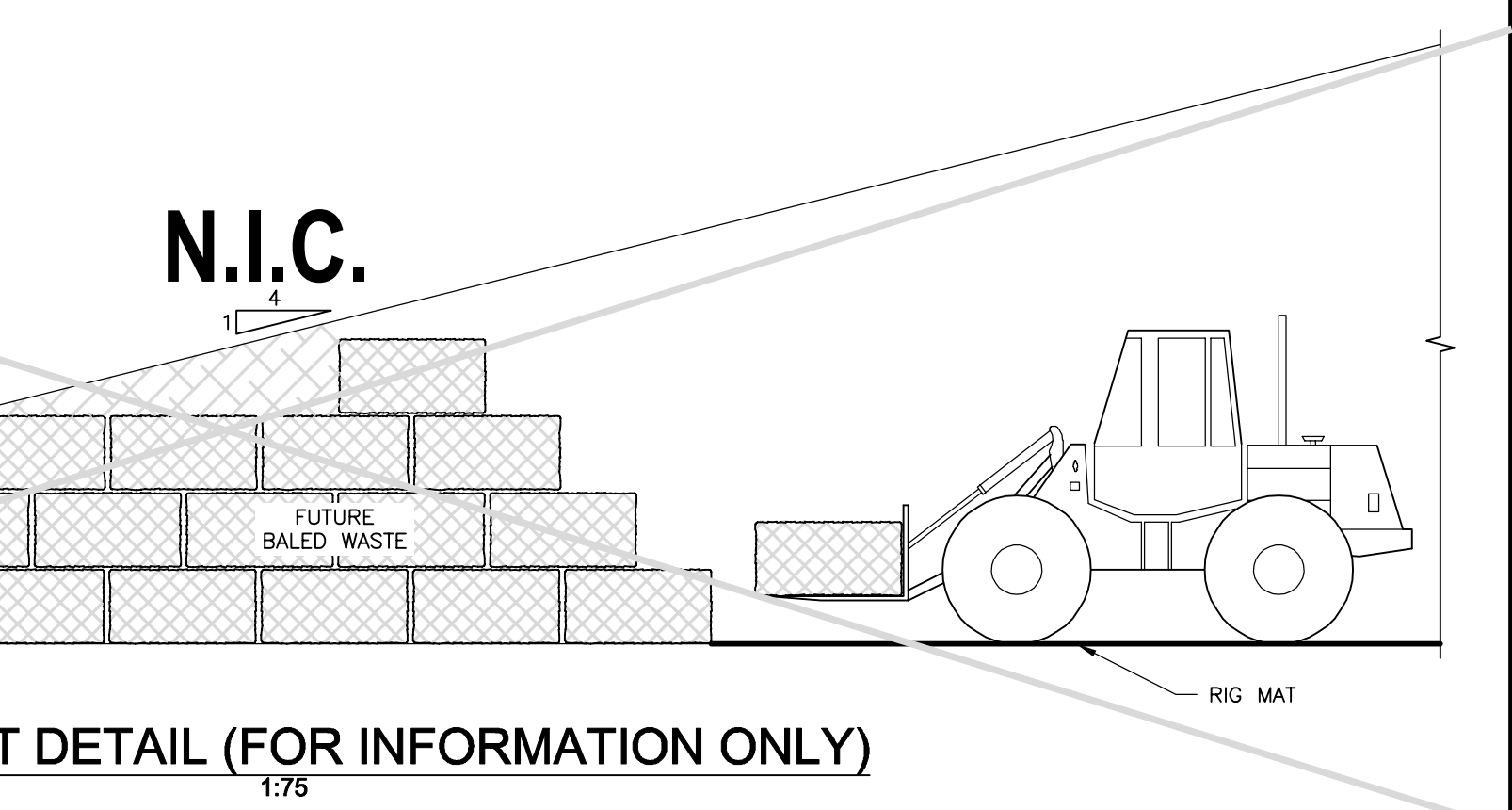
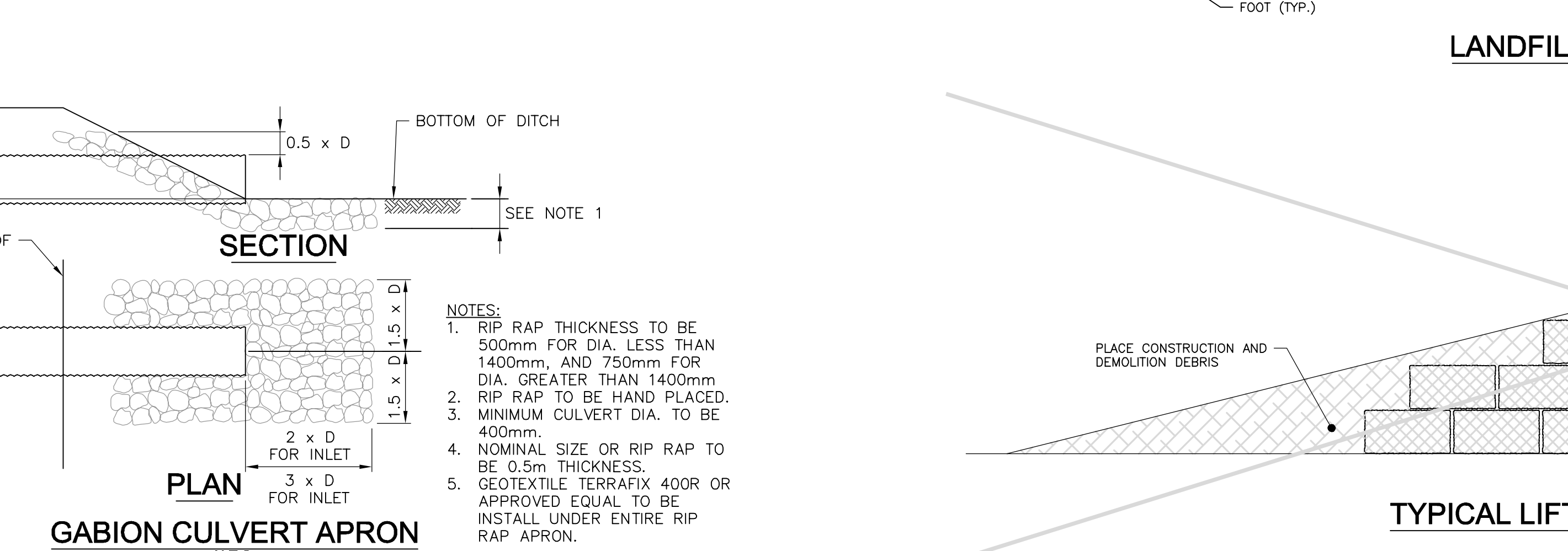
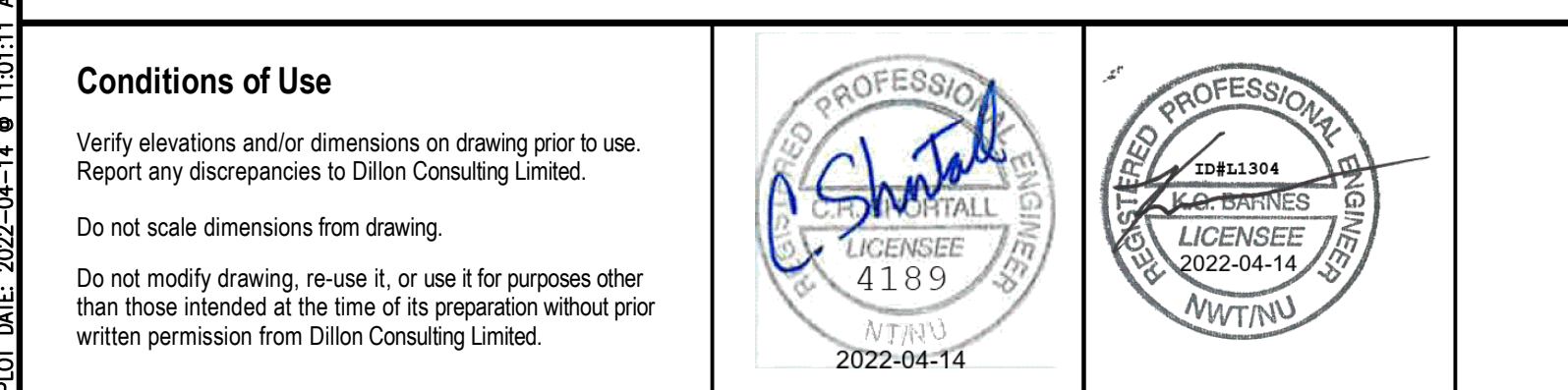
19-9543

SHEET NO.

LF-C29

LINER DETAILS





<b>Conditions of Use</b>  Verify elevations and/or dimensions on drawing prior to use. Report any discrepancies to Dillon Consulting Limited.  Do not scale dimensions from drawing.  Do not modify drawing, re-use it, or use it for purposes other than those intended at the time of its preparation without prior written permission from Dillon Consulting Limited.		 2022-04-14	 2022-04-14	<div>THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS AND GEOPHYSICISTS OF THE NORTHWEST TERRITORIES</div> <div>PERMIT NUMBER P 010 DILLON CONSULTING LIMITED 2022-04-14</div>	<div>Iqaluit</div> <div></div> <div></div>	<table><tr><td>7</td><td>RELEASED FOR TENDER</td><td>2022/04/14</td><td>K.B.</td></tr><tr><td>6</td><td>REVIEW</td><td>2021/09/24</td><td>K.B.</td></tr><tr><td>5</td><td>REVIEW</td><td>2021/06/25</td><td>K.B.</td></tr><tr><td>4</td><td>100% ISSUED FOR APPROVAL</td><td>2020/12/15</td><td>K.B.</td></tr><tr><td>3</td><td>90% REVIEW</td><td>2020/01/24</td><td>K.B.</td></tr><tr><td>2</td><td>50% REVIEW</td><td>2019/10/23</td><td>K.B.</td></tr><tr><td>1</td><td>30% REVIEW</td><td>2019/06/04</td><td>K.B.</td></tr><tr><td>No.</td><td>ISSUED FOR</td><td>DATE</td><td>BY</td></tr></table>	7	RELEASED FOR TENDER	2022/04/14	K.B.	6	REVIEW	2021/09/24	K.B.	5	REVIEW	2021/06/25	K.B.	4	100% ISSUED FOR APPROVAL	2020/12/15	K.B.	3	90% REVIEW	2020/01/24	K.B.	2	50% REVIEW	2019/10/23	K.B.	1	30% REVIEW	2019/06/04	K.B.	No.	ISSUED FOR	DATE	BY	<table><tr><td>DESIGN</td><td>C.R.S.</td><td>REVIEWED BY</td><td>S.D.K.</td></tr><tr><td>DRAWN</td><td>D.B.C./D.T.M.</td><td>CHECKED BY</td><td>K.B.</td></tr><tr><td>DATE</td><td colspan="3">MAY 2019</td></tr><tr><td>SCALE</td><td colspan="3">AS NOTED</td></tr></table>	DESIGN	C.R.S.	REVIEWED BY	S.D.K.	DRAWN	D.B.C./D.T.M.	CHECKED BY	K.B.	DATE	MAY 2019			SCALE	AS NOTED			<table><tr><td rowspan="2">PROJECT NO.</td><td rowspan="2">CITY OF IQALUIT SOLID WASTE LANDFILL</td><td rowspan="2">19-9543</td></tr><tr></tr><tr><td>SHEET NO.</td><td>SECTIONS AND DETAILS</td><td>LF-C30</td></tr></table>	PROJECT NO.	CITY OF IQALUIT SOLID WASTE LANDFILL	19-9543	SHEET NO.	SECTIONS AND DETAILS	LF-C30
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